

**CSIR - INDIAN INSTITUTE OF INTEGRATIVE MEDICINE**

Canal Road, Jammu-180 001 (J&amp;K)

जीएसटी नं GST No : 01AADFI6054M1ZG

क्रय ऑर्डर

**PURCHASE ORDER**

ऑर्डर संख्या

Order No. : PO/IIIM/2021/7488/1

दिनांक

Date: 30-06-2021

तुरंत कार्रवाई के लिए कृपया हमारे संदर्भ का उल्लेख अवश्य करें।  
Please quote our REFERENCE in all correspondence to ensure prompt attention.

To  
**JAI GOPAL TRADING CO (A/D AVRA SYNTHESIS CHEMICALS) 2020-21**  
#21, JDA complex, Near Post Office, Old Janipur, Jammu  
Jammu - 180007  
Jammu and Kashmir  
India

Ref: Your Quotation

Date : dd-MM-yyyy

Dear Sirs,

कृपया निम्न सामग्री(यों) की आपूर्ति अनुलग्न निबंधन एवं शर्तों अनुसार 12-08-2021 को या इससे पूर्व करें  
Please supply the following items as per terms and conditions attached on or before 12-08-2021

| क्रमांक<br>SNo. | सामग्री का विवरण<br>Item Description   | मात्रा<br>Qty. | इकाई<br>Unit | दर<br>Rate<br>(INR) | राशि<br>Amount<br>(INR) |
|-----------------|--|----------------|--------------|---------------------|-------------------------|
| 1               | 6-Aminoquinoline, 95%-Spec1-ASA1460  | 1.00           | 5 gm         | 11000.00            | 11000.00                |
| 2               | Chlorosulfonic acid, 98%-Spec1-ASC1946   | 1.00           | 500 ml       | 900.00              | 900.00                  |
| 3               | Chromium(VI) oxide, 99%-Spec1-ASC1990  | 1.00           | 500 gm       | 720.00              | 720.00                  |
| 4               | Calcium hydride, 95%-Spec1-ASC2120   | 1.00           | 100 gm       | 2520.00             | 2520.00                 |
| 5               | Copper(II) trifluoromethanesulfonate, 98%-Spec1-ASC2659                        | 1.00           | 5 gm         | 2940.00             | 2940.00                 |
| 6               | Diethyl ether, 99%-Spec1-ASD1520   | 6.00           | 2.5 Lt       | 1300.00             | 7800.00                 |
| 7               | Dimethylamine, 40% wt in water-Spec1-ASD1570                                   | 1.00           | 1 Lt         | 450.00              | 450.00                  |
| 8               | Diiodomethane, 98%-Spec1-ASD2445   | 1.00           | 100 gm       | 3000.00             | 3000.00                 |
| 9               | 1-(3-Dimethylaminopropyl)-3-ethylcarbodiimide hydrochloride, 98%-Spec1-ASD2578 | 2.00           | 100 gm       | 3400.00             | 6800.00                 |
| 10              | Acrylic acid, 98%-Spec1-ASA2419  | 1.00           | 500 ml       | 550.00              | 550.00                  |
| 11              | 4-Fluorophenol, 98%-Spec1-ASF1428  | 1.00           | 100 gm       | 2900.00             | 2900.00                 |
| 12              | 4-Fluorobenzoic acid, 99%-Spec1-ASF2497  | 1.00           | 100 gm       | 1500.00             | 1500.00                 |
| 13              | Hydrochloric acid, 32%** -Spec1-ASH1578  | 2.00           | 2.5 Lt       | 520.00              | 1040.00                 |
| 14              | 1-Hydroxybenzotriazole, anhydrous, 98%-Spec1-ASH2538                           | 1.00           | 500 gm       | 3950.00             | 3950.00                 |
| 15              | Hydrogen fluoride pyridine-Spec1-ASH2574                                       | 1.00           | 25 gm        | 1900.00             | 1900.00                 |
| 16              | 4-Hydroxybenzhydrazide, 98%-Spec1-ASH2617                                      | 1.00           | 100 gm       | 8000.00             | 8000.00                 |

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|    |  |      |        |         |           |
|----|--|------|--------|---------|-----------|
| 17 | Iodomethane, 98%-Spec1-ASI2115   | 1.00 | 250 ml | 5700.00 | 5700.00   |
| 18 | Isopropylmagnesium chloride lithium chloride complex, 1.3 M in THF-Spec1-ASI2875 | 1.00 | 100 ml | 6000.00 | 6000.00   |
| 19 | Light liquid Paraffin-Spec1-ASL2592  | 4.00 | 2.5 Lt | 1100.00 | 4400.00   |
| 20 | Methanesulfonyl chloride, 98%-Spec1-ASM2122                                      | 1.00 | 500 ml | 900.00  | 900.00    |
| 21 | Magnesium chloride, anhydrous, 98%-Spec1-ASM2548                                 | 1.00 | 100 gm | 670.00  | 670.00    |
| 22 | 2-Methylfuran, 98%-Spec1-ASM2665   | 1.00 | 100 ml | 1070.00 | 1070.00   |
| 23 | n-Butyllithium, 1.6M in hexane **-Spec1-ASN1123                                  | 2.00 | 500 ml | 6000.00 | 12000.00  |
| 24 | N-Ethyldiisopropylamine, 98%-Spec1-ASN1249                                       | 1.00 | 1 Lt   | 2800.00 | 2800.00   |
| 25 | N-Ethyldiisopropylamine, 98%-Spec1-ASN1249                                       | 1.00 | 250 ml | 750.00  | 750.00    |
| 26 | N,O-Dimethylhydroxylamine hydrochloride, 98%-Spec1-ASN1603                       | 1.00 | 100 gm | 2700.00 | 2700.00   |
| 27 | Oxalyl chloride, 98%-Spec1-ASO1884   | 1.00 | 500 gm | 3000.00 | 3000.00   |
| 28 | Phenylhydrazine, 98%-Spec1-ASP1929   | 1.00 | 100 ml | 540.00  | 540.00    |
| 29 | Pyrazinecarboxylic acid, 99%-Spec1-ASP2684                                       | 1.00 | 25 gm  | 2100.00 | 2100.00   |
| 30 | Sulfuryl chloride, 97% **-Spec1-ASS1622  | 1.00 | 500 ml | 700.00  | 700.00    |
| 31 | Sodium sulfite anhydrous, 98%-Spec1-ASS2636                                      | 1.00 | 500 gm | 240.00  | 240.00    |
| 32 | (1S)-(+)-10-Camphorsulfonic acid, 98%-Spec1-ASS2678                              | 1.00 | 100 gm | 1500.00 | 1500.00   |
| 33 | Trifluoromethanesulfonic anhydride, 98%-Spec1-AST1230                            | 1.00 | 25 gm  | 2400.00 | 2400.00   |
| 34 | Trimethylsulfoxonium iodide, 98%-Spec1-AST1491                                   | 1.00 | 100 gm | 1400.00 | 1400.00   |
| 35 | 1,2,3,4-Tetrahydronaphthalene, 98%-Spec1-AST2669                                 | 1.00 | 1 Lt   | 2600.00 | 2600.00   |
| 36 | 2,2,6,6-Tetramethylpiperidine, 98%-Spec1-AST2761                                 | 1.00 | 25 gm  | 2700.00 | 2700.00   |
| 37 | Trimethylaluminum 2.0 M in toluene-Spec1-AST2783                                 | 1.00 | 100 ml | 6300.00 | 6300.00   |
| 38 | Vinylmagnesium bromide, 1M in THF-Spec1-ASV2320                                  | 1.00 | 500 ml | 5400.00 | 5400.00   |
|    |  |      |        | Total   | 121840.00 |

Payment Mode :

Price Basis :

| PO GENERAL TERMS AND CONDITIONS |  |
|---------------------------------|--|
| 1                               | FOR Central Store, IIIM Jammu.   |
| 2                               | GST @ 5% Extra.  |
| 3                               | Delivery within 4-6 Weeks.   |
| 4                               | Payment after delivery/acceptance of material.   |
| 5                               | Material should be delivered in Single lot.  |
| 6                               | Material will be accepted as per Govt. Public Procurement Order no.P-45021/2/2017-BE-II regarding Local content under PPP for Make in India. |
| 7                               | Discount as per Rate Contract.   |

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8 The Supplier is adhere to make the supply in stipulated period as per PO. Material delivery period will not be extended further if supplier is failed to supply the material in mentioned period.

कृते वैज्ञानिक और औद्योगिक अनुसंधान परिषद  
for and on behalf of  
Council of Scientific and Industrial Research

अ. अ (भं एवं क्र) / भं एवं क्र.अ / भं एवं क्र.नि  
S/O(S&P) / S.P.O / CoSP

Copy to  
Project ID : IIIM/GAP/2021/06136  
Project Name : (GAP-3102) - Synthesis of reference standards and in-vitro and in-vivo studies (PK studies) on the metabolites and long term metabolites.  
Indentor Name : Qazi Naveed Ahmed  
Division : Natural Products and Medicinal Chemistry (NPMC)  
Category : CHEMICALS  
Cash Code : 99103  
Sub Category : AVRA SYNTHESIS  
SanctionAmount : 121535.43

Table with multiple columns and rows, containing numerical data and chemical names. The text is mostly illegible due to low resolution and bleed-through from the reverse side of the page.

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Date: 30-06-2021

## Annexure to PO - Calculation Sheet

| S.No | Item Name  | Qty  | Rate     | Disc (in%) | Disc Amt | After Disc | Custom Duty(in%) | Custom Duty Amt | incl. Custom Duty | GST(in% ) | GST Amt | incl. GST |
|------|--|------|----------|------------|----------|------------|------------------|-----------------|-------------------|-----------|---------|-----------|
| 1    | Hydrochloric acid, 32%**   | 2.00 | 520.00   | 5.00       | 52.00    | 988.00     | 0.00             | 0.00            | 988.00            | 5.00      | 49.40   | 1037.40   |
| 2    | Hydrogen fluoride pyridine   | 1.00 | 1900.00  | 5.00       | 95.00    | 1805.00    | 0.00             | 0.00            | 1805.00           | 5.00      | 90.25   | 1895.25   |
| 3    | 6-Aminoquinoline, 95%  | 1.00 | 11000.00 | 5.00       | 550.00   | 10450.00   | 0.00             | 0.00            | 10450.00          | 5.00      | 522.50  | 10972.50  |
| 4    | Pyrazinecarboxylic acid, 99%                                       | 1.00 | 2100.00  | 5.00       | 105.00   | 1995.00    | 0.00             | 0.00            | 1995.00           | 5.00      | 99.75   | 2094.75   |
| 5    | Phenylhydrazine, 98%   | 1.00 | 540.00   | 5.00       | 27.00    | 513.00     | 0.00             | 0.00            | 513.00            | 5.00      | 25.65   | 538.65    |
| 6    | Copper(II) trifluoromethanesulfonate, 98%                          | 1.00 | 2940.00  | 5.00       | 147.00   | 2793.00    | 0.00             | 0.00            | 2793.00           | 5.00      | 139.65  | 2932.65   |
| 7    | Calcium hydride, 95%   | 1.00 | 2520.00  | 5.00       | 126.00   | 2394.00    | 0.00             | 0.00            | 2394.00           | 5.00      | 119.70  | 2513.70   |
| 8    | (1S)-(+)-10-Camphorsulfonic acid, 98%                              | 1.00 | 1500.00  | 5.00       | 75.00    | 1425.00    | 0.00             | 0.00            | 1425.00           | 5.00      | 71.25   | 1496.25   |
| 9    | Trimethylsulfoxonium iodide, 98%                                   | 1.00 | 1400.00  | 5.00       | 70.00    | 1330.00    | 0.00             | 0.00            | 1330.00           | 5.00      | 66.50   | 1396.50   |
| 10   | N-Ethyldiisopropylamine, 98%                                       | 1.00 | 750.00   | 5.00       | 37.50    | 712.50     | 0.00             | 0.00            | 712.50            | 5.00      | 35.63   | 748.13    |
| 11   | Sulfuryl chloride, 97% **  | 1.00 | 700.00   | 5.00       | 35.00    | 665.00     | 0.00             | 0.00            | 665.00            | 5.00      | 33.25   | 698.25    |
| 12   | 4-Fluorophenol, 98%  | 1.00 | 2900.00  | 5.00       | 145.00   | 2755.00    | 0.00             | 0.00            | 2755.00           | 5.00      | 137.75  | 2892.75   |
| 13   | Trimethylaluminum 2.0 M in toluene                                 | 1.00 | 6300.00  | 5.00       | 315.00   | 5985.00    | 0.00             | 0.00            | 5985.00           | 5.00      | 299.25  | 6284.25   |
| 14   | n-Butyllithium, 1.6M in hexane **                                  | 2.00 | 6000.00  | 5.00       | 600.00   | 11400.00   | 0.00             | 0.00            | 11400.00          | 5.00      | 570.00  | 11970.00  |
| 15   | Diiodomethane, 98%   | 1.00 | 3000.00  | 5.00       | 150.00   | 2850.00    | 0.00             | 0.00            | 2850.00           | 5.00      | 142.50  | 2992.50   |
| 16   | Chromium(VI) oxide, 99%  | 1.00 | 720.00   | 5.00       | 36.00    | 684.00     | 0.00             | 0.00            | 684.00            | 5.00      | 34.20   | 718.20    |
| 17   | N,O-Dimethylhydroxylamine hydrochloride, 98%                       | 1.00 | 2700.00  | 5.00       | 135.00   | 2565.00    | 0.00             | 0.00            | 2565.00           | 5.00      | 128.25  | 2693.25   |
| 18   | 2,2,6,6-Tetramethylpiperidine, 98%                                 | 1.00 | 2700.00  | 5.00       | 135.00   | 2565.00    | 0.00             | 0.00            | 2565.00           | 5.00      | 128.25  | 2693.25   |
| 19   | Methanesulfonyl chloride, 98%                                      | 1.00 | 900.00   | 5.00       | 45.00    | 855.00     | 0.00             | 0.00            | 855.00            | 5.00      | 42.75   | 897.75    |
| 20   | Acrylic acid, 98%  | 1.00 | 550.00   | 5.00       | 27.50    | 522.50     | 0.00             | 0.00            | 522.50            | 5.00      | 26.13   | 548.63    |
| 21   | Dimethylamine, 40% wt in water                                     | 1.00 | 450.00   | 5.00       | 22.50    | 427.50     | 0.00             | 0.00            | 427.50            | 5.00      | 21.38   | 448.88    |
| 22   | Iodomethane, 98%   | 1.00 | 5700.00  | 5.00       | 285.00   | 5415.00    | 0.00             | 0.00            | 5415.00           | 5.00      | 270.75  | 5685.75   |
| 23   | 1,2,3,4-Tetrahydronaphthalene, 98%                                 | 1.00 | 2600.00  | 5.00       | 130.00   | 2470.00    | 0.00             | 0.00            | 2470.00           | 5.00      | 123.50  | 2593.50   |
| 24   | Sodium sulfite anhydrous, 98%                                      | 1.00 | 240.00   | 5.00       | 12.00    | 228.00     | 0.00             | 0.00            | 228.00            | 5.00      | 11.40   | 239.40    |
| 25   | Isopropylmagnesium chloride lithium chloride complex, 1.3 M in THF | 1.00 | 6000.00  | 5.00       | 300.00   | 5700.00    | 0.00             | 0.00            | 5700.00           | 5.00      | 285.00  | 5985.00   |
| 26   | Trifluoromethanesulfonic anhydride, 98%                            | 1.00 | 2400.00  | 5.00       | 120.00   | 2280.00    | 0.00             | 0.00            | 2280.00           | 5.00      | 114.00  | 2394.00   |
| 27   | 4-Hydroxybenzhydrazide, 98%  | 1.00 | 8000.00  | 5.00       | 400.00   | 7600.00    | 0.00             | 0.00            | 7600.00           | 5.00      | 380.00  | 7980.00   |
| 28   | Oxalyl chloride, 98%   | 1.00 | 3000.00  | 5.00       | 150.00   | 2850.00    | 0.00             | 0.00            | 2850.00           | 5.00      | 142.50  | 2992.50   |
| 29   | Diethyl ether, 99%   | 6.00 | 1300.00  | 5.00       | 390.00   | 7410.00    | 0.00             | 0.00            | 7410.00           | 5.00      | 370.50  | 7780.50   |
| 30   | 4-Fluorobenzoic acid, 99%  | 1.00 | 1500.00  | 5.00       | 75.00    | 1425.00    | 0.00             | 0.00            | 1425.00           | 5.00      | 71.25   | 1496.25   |

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|----|--|------|---------|------------------|--------|-----------|-------------------------|------|-----------|-----------------|--------|-----------|
| 31 | 2-Methylfuran, 98%   | 1.00 | 1070.00 | 5.00             | 53.50  | 1016.50   | 0.00                    | 0.00 | 1016.50   | 5.00            | 50.83  | 1067.33   |
| 32 | Magnesium chloride, anhydrous, 98%                               | 1.00 | 670.00  | 5.00             | 33.50  | 636.50    | 0.00                    | 0.00 | 636.50    | 5.00            | 31.83  | 668.33    |
| 33 | Light liquid Paraffin  | 4.00 | 1100.00 | 5.00             | 220.00 | 4180.00   | 0.00                    | 0.00 | 4180.00   | 5.00            | 209.00 | 4389.00   |
| 34 | 1-(3-Dimethylaminopropyl)-3-ethylcarbodiimide hydrochloride, 98% | 2.00 | 3400.00 | 5.00             | 340.00 | 6460.00   | 0.00                    | 0.00 | 6460.00   | 5.00            | 323.00 | 6783.00   |
| 35 | 1-Hydroxybenzotriazole, anhydrous, 98%                           | 1.00 | 3950.00 | 5.00             | 197.50 | 3752.50   | 0.00                    | 0.00 | 3752.50   | 5.00            | 187.63 | 3940.13   |
| 36 | Chlorosulfonic acid, 98%   | 1.00 | 900.00  | 5.00             | 45.00  | 855.00    | 0.00                    | 0.00 | 855.00    | 5.00            | 42.75  | 897.75    |
| 37 | Vinylmagnesium bromide, 1M in THF                                | 1.00 | 5400.00 | 5.00             | 270.00 | 5130.00   | 0.00                    | 0.00 | 5130.00   | 5.00            | 256.50 | 5386.50   |
| 38 | N-Ethyl-diisopropylamine, 98%                                    | 1.00 | 2800.00 | 5.00             | 140.00 | 2660.00   | 0.00                    | 0.00 | 2660.00   | 5.00            | 133.00 | 2793.00   |
|    |  |      |         | After Disc Total |        | 115748.00 | Total incl. Custom Duty |      | 115748.00 | Total incl. GST |        | 121535.40 |