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**Product Data Sheet**

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Product Name: JAK-IN-3  
Cat. No.: GC65453

**Chemical Properties**

Cas. No. 1400876-94-9

Formula C<sub>18</sub>H<sub>20</sub>N<sub>4</sub>O<sub>3</sub> M.Wt 340.38

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

**Protocol**

JAK3 JAK1 Tyk2 JAK2

3nM(IC<sub>50</sub>) 5nM(IC<sub>50</sub>) 34nM(IC<sub>50</sub>) 70nM(IC<sub>50</sub>)

**Background**

JAK-IN-3 (compound 22) is a potent JAK inhibitor, with IC<sub>50</sub> values of 3 nM, 5 nM, 34 nM and 70 nM for JAK3, JAK1, TYK2 and JAK2, respectively[1].

[1]. Spergel SH, et al. Discovery of a JAK1/3 Inhibitor and Use of a Prodrug To Demonstrate Efficacy in a Model of Rheumatoid Arthritis. ACS Med Chem Lett. 2019 Feb 13;10(3):306-311.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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