

Product Data Sheet

Product Name: JAK-IN-21

Cat. No.: GC73148

Chemical Properties

Cas. No. 2445499-20-5

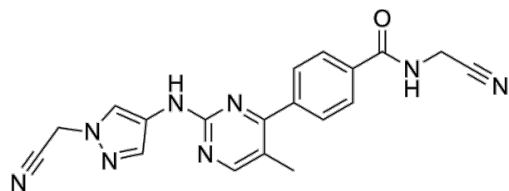
Formula $C_{19}H_{16}N_8O$ M.Wt 372.38

Solubility DMSO : 125 mg/mL (335.68 mM; Storage -20°C
Need ultrasonic)

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



Background

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

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JAK-IN-21 (Example 4) is a selective and potent JAK inhibitor with IC₅₀s of 1.73, 2.04, 109 and 62.9 nM against JAK1, JAK2, J2V617F and TYK2, respectively.

JAK-IN-21 (Example 4) does not inhibit CYPs and shows good liver microsome stability[1].

JAK-IN-21 (Example 4) shows low bioavailability (F=1.9%)[1].

References:

[1]. Zhaokui WAN, et al. Benzamides of pyrazolyl-amino-pyrimidinyl derivatives, and compositions and methods thereof. Patent WO2020119819.

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