

Product Data Sheet

Product Name: JAK1-IN-13

Cat. No.: GC71475

Chemical Properties

Cas. No. 2778330-90-6

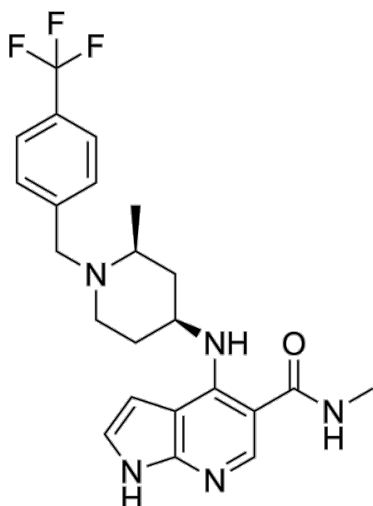
Formula $C_{23}H_{26}F_3N_5O$ M.Wt 445.48

Solubility DMSO : 100 mg/mL (224.48 mM; Storage -20°C
Need ultrasonic; Hygroscopic DMSO
has a significant impact on the
solubility of product, please use
newly opened DMSO)

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

JAK1-IN-13 (compound 36b) is an orally active, potent and highly selective inhibitor of JAK1 with an IC₅₀ of 0.044 nM. JAK1-IN-13 significantly decreases STAT3 phosphorylation.

References:

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

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[1]. Park E, et al. Identification and Biological Evaluation of a Potent and Selective JAK1 Inhibitor for the Treatment of Pulmonary Fibrosis. J Med Chem. 2023 Dec 14;66(23):16342-16363.

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