
Product Data Sheet

Product Name: JAK2-IN-4

Cat. No.: GC36364

Chemical Properties

Cas. No. 1438284-00-4

SMILES CC(C=NC(NC1=CC=C(N2CCOCC2)C=C1)=N3)=C3C(O4)=CC5=C4CCN(S(=O)(C)=O)C5Formula C₂₃H₂₇N₅O₄S M.Wt 469.56

Solubility Soluble in DMSO 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 **Background**

JAK2-IN-4 (compound 16h) is a selective JAK2/JAK3 inhibitor, with IC₅₀ values of 0.7 nM and 23.2 nM for JAK2 and JAK3, respectively[1]. IC₅₀: 0.7 nM/23.2 nM (JAK2/JAK3)[1].

[1]. Wang Y, et al. Identification of 4-(2-furanyl)pyrimidin-2-amines as Janus kinase 2 inhibitors. Bioorg Med Chem. 2017 Jan 1;25(1):75-83.

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

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