
Product Data Sheet

Product Name: JAK1-IN-4
Cat. No.: GC33258

Chemical Properties

Cas. No. 2091134-35-7

SMILES O=C(NC1=CC=CC2=C1NC=C2C3=C(C=NC(NC4=CN(N=C4OC)C)=N3)F)[C@H](N5CCN([C@@H](C5)C)C)C

Formula C₂₆H₃₂FN₉O₂ M.Wt 521.59

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

JAK1-IN-4 is a potent and selective JAK1 inhibitor, with IC₅₀s of 85 nM, 12.8 μM and >30 μM for JAK1, JAK2, and JAK3, respectively. JAK1-IN-4 inhibits STAT3 phosphorylation in NCI-H 1975 cells (IC₅₀, 227 nM)[1].

[1]. Annika Birgitta Margareta STRAND, et al. Compounds and methods for inhibiting jak.

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

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