

Product Data Sheet

Product Name: JAK3 covalent inhibitor-1

Cat. No.: GC36365

Chemical Properties

Cas. No. 2300106-50-5

SMILES O=S(N[C@H](C[C@@H]1NC#N)C(C1=C2)=CC=C2C3=C4C(NC=C4)=NC=N3)(C5=CC=CC(F)=C5)=O

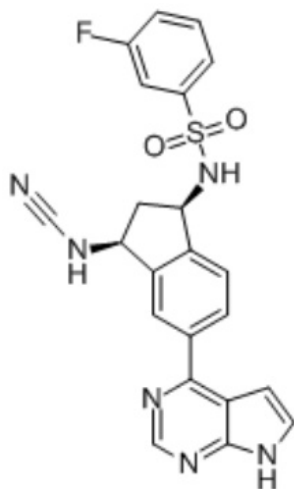
Formula $C_{22}H_{17}FN_6O_2S$ M.Wt 448.47

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

JAK3 covalent inhibitor-1 is a potent and selective janus kinase 3 (JAK3) covalent inhibitor with an IC₅₀ of 11 nM and shows 246-fold selectivity vs other JAKs[1]. JAK3|11 nM (IC₅₀)

[1]. Casimiro-Garcia A, et al. Identification of Cyanamide-Based Janus Kinase 3 (JAK3) Covalent Inhibitors. J Med Chem. 2018 Dec 13;61(23):10665-10699.

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

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