
Product Data Sheet

Product Name: BMS 566419

Cat. No.: GC50180

Chemical Properties

Cas. No. 566161-24-8

SMILES O=C2C3=C(C=C(C(=O)N(C)C)C4=CC=C(N5CCN(CC)CC5)N=C4)=O)C(F)=C3)NC1=CC=CC=C12

Formula	C ₂₈ H ₃₀ FN ₅ O ₂	M.Wt	487.57
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Solubility	Soluble in DMSO	Storage	Store at -20°C
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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**

Potent inosine monophosphate dehydrogenase (IMPDH) inhibitor (IC₅₀ = 17 nM). Inhibits proliferation of human T-lymphoblasts and PBMCs in vitro. Reduces paw swelling in a rat adjuvant arthritis model. Orally available.

Watterson et al (2007) Acridone-based inhibitors of inosine 5'-monophosphate dehydrogenase: discovery and SAR leading to the identification of N-(2-(6-(4-ethylpiperazin-1-yl)pyridin-3-yl)propan-2-yl)-2-fluoro-9-oxo-9,10-dihydroacridine-3-carboxamide (BMS-566419). J.Med.Chem. 50 3730 PMID:17585753

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

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