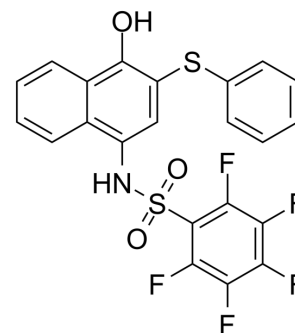


MM-206

Cat. No.:	HY-121725		
CAS No.:	1809581-87-0		
Molecular Formula:	C ₂₂ H ₁₂ F ₅ NO ₃ S ₂		
Molecular Weight:	497.46		
Target:	STAT		
Pathway:	JAK/STAT Signaling; Stem Cell/Wnt		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMF : 25 mg/mL (50.26 mM; Need ultrasonic and warming)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.0102 mL	10.0511 mL	20.1021 mL
	5 mM	0.4020 mL	2.0102 mL	4.0204 mL
	10 mM	0.2010 mL	1.0051 mL	2.0102 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

MM-206, a STAT3 activity inhibitor, potently inhibits the STAT3 SH2 domain-phosphopeptide interaction with IC₅₀ of 1.2 μM. MM-206 demonstrates dose-dependent induction of apoptosis in acute myeloid leukemia (AML) cell lines^[1].

REFERENCES

[1]. A Novel STAT3 Inhibitor Has Potent Activity in Preclinical Models of Acute Myeloid Leukemia That Incorporate the Stromal Environment. Blood.2015 Dec 3.126 (23): 569.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA