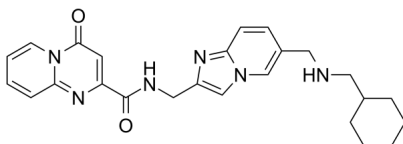


Data Sheet

Product Information

Catalog Number	BP22517
Product Name	STM2457
Description	STM2457 is a first-in-class, highly potent, selective and orally active METTL3 inhibitor with an IC ₅₀ of 16.9 nM. STM2457 can be used for the research of acute myeloid leukaemia (AML).
In vitro	STM2457 (Compound 72) inhibits MOLM13 cells proliferation with an IC ₅₀ of 8.699 μM.
CAS No.	2499663-01-1
Chemical Formula	C ₂₅ H ₂₈ N ₆ O ₂
Molecular Weight	444.53
Solubility	DMSO: 50 mg/mL (112.48 mM, Need ultrasonic and warming and heat to 60°C)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	 <p>The chemical structure of STM2457 is a complex molecule. It features a pyridine ring on the left, connected via a carbonyl group to a pyrazole ring. The pyrazole ring is further connected to a benzene ring, which is linked to a cyclohexyl group via a methylene chain. The structure is shown in a skeletal format with a watermark 'Purdue Bioscience Inc.' overlaid.</p>

Purdue Bioscience Inc.

750 50th St, Brooklyn, NY 11220, USA

<https://www.purduebio.com>

1-877.618.7311

info@purduebio.com

v2 Revision on 12/28/2022

Purdue Bioscience Inc.