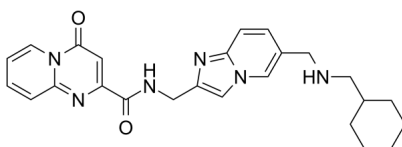


Certificate of Analysis

Catalog Number	BP22517
Product Name	STM2457

Physical and Chemical Properties

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	

Product Information

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).
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In vitro	STM2457 (Compound 72) inhibits MOLM13 cells proliferation with an IC50 of 8.699 μ M.
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Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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