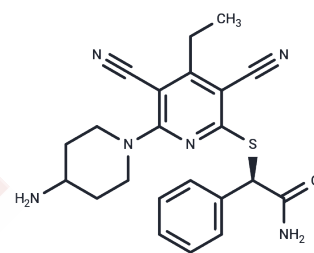


(R)-GSK-3685032

Chemical Properties

CAS No. : 2170140-50-6
 Formula: C₂₂H₂₄N₆O₅
 Molecular Weight: 420.54
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	(R)-GSK-3685032 is the R-enantiomer of GSK-3685032, a first-in-class, non-time-dependent, non-covalent, reversible, selective DNMT1 inhibitor with an IC ₅₀ of 0.036 μM, which induces robust loss of DNA methylation, transcriptional activation, and inhibition of cancer cell growth.
Targets(IC ₅₀)	Others, DNA Methyltransferase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3779 mL	11.8895 mL	23.779 mL
5 mM	0.4756 mL	2.3779 mL	4.7558 mL
10 mM	0.2378 mL	1.1889 mL	2.3779 mL
50 mM	0.0476 mL	0.2378 mL	0.4756 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Adams, Nicholas David, et al. Substituted pyridines as inhibitors of DNMT1 and their preparation. WO2017216727A1.

Pappalardi MB, et al. Discovery of a first-in-class reversible DNMT1-selective inhibitor with improved tolerability and efficacy in acute myeloid leukemia. Nat Cancer. 2021;2(10):1002-1017.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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