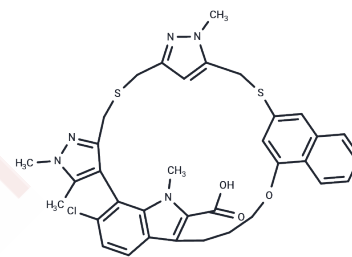


AZD-5991 Racemate

Chemical Properties

CAS No. :	2143010-83-5
Formula:	C ₃₅ H ₃₄ ClN ₅ O ₃ S ₂
Molecular Weight:	672.26
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	AZD-5991 Racemate is the racemate of AZD-5991. (Rac)-AZD-5991 is a novel Mcl-1 inhibitor with IC ₅₀ <3 nM in FRET assay and induces upregulation of BCL2, BCL-XL, CMYC and MCL1 in AML cell lines.
Targets(IC ₅₀)	Bcl-2 Family, c-Myc
In vitro	AZD-5991 Racemate is a potent Mcl-1 inhibitor, showing an IC ₅₀ below 3nM in a FRET-based assay[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4875 mL	7.4376 mL	14.8752 mL
5 mM	0.2975 mL	1.4875 mL	2.975 mL
10 mM	0.1488 mL	0.7438 mL	1.4875 mL
50 mM	0.0298 mL	0.1488 mL	0.2975 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

Tron AE, et al. Discovery of Mcl-1-specific inhibitor AZD5991 and preclinical activity in multiple myeloma and acute myeloid leukemia. Nat Commun. 2018 Dec 17;9(1):5341.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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