

AZ31

Chemical Properties

CAS No.:	2088113-98-6
Formula:	C ₂₄ H ₂₈ N ₄ O ₃
Molecular Weight:	420.51
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	AZ31 is an effective and highly selective inhibitor of ATM.
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Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.378 mL	11.890 mL	23.781 mL
5 mM	0.476 mL	2.378 mL	4.756 mL
10 mM	0.238 mL	1.189 mL	2.378 mL
50 mM	0.048 mL	0.238 mL	0.476 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Kiesel BF, Shogan JC, Rachid M, Parise RA, Vendetti FP, Bakkenist CJ, Beumer JH. LC-MS/MS assay for the simultaneous quantitation of the ATM inhibitor AZ31 and the ATR inhibitor AZD6738 in mouse plasma. J Pharm Biomed Anal. 2017 May 10;138:158-165. doi: 10.1016/j.jpba.2017.01.055. Epub 2017 Feb 4. PubMed PMID: 28213176; PubMed Central PMCID: PMC5357441.

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