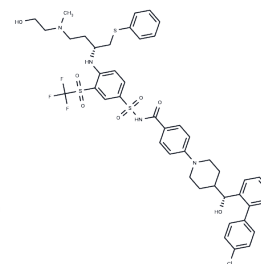


AZD4320

Chemical Properties

CAS No. : 1357576-48-7
 Formula: C₄₅H₄₈ClF₃N₄O₇S₃
 Molecular Weight: 945.53
 Storage: Store at low temperature
 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	AZD4320 is an inhibitor of BH3-mimicking dual BCL2/BCLxL. For KPUM-MS3, KPUM-UH1, and STR-428 cells, the IC ₅₀ s values are 26 nM, 17 nM, and 170 nM, respectively.
Targets(IC ₅₀)	Bcl-2 Family
In vitro	AZD4320 shows mostly synergistic, and at least additive, growth inhibitory effects on DEL- and DHL derived cell lines. And it profoundly increases cells undergoing apoptosis in all three cell lines[1]. AZD4320 potently augments the antitumor effect of AZD5153 in double expressing lymphoma (DEL)- and double hit lymphoma (DHL)-derived cell lines in a dose-dependent manner.

Solubility Information

Solubility	DMSO: 125 mg/mL (132.2 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (5.29 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0576 mL	5.288 mL	10.5761 mL
5 mM	0.2115 mL	1.0576 mL	2.1152 mL
10 mM	0.1058 mL	0.5288 mL	1.0576 mL
50 mM	0.0212 mL	0.1058 mL	0.2115 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

Takimoto-Shimomura T, et al. Dual targeting of bromodomain-containing 4 by AZD5153 and BCL2 by AZD4320 against B-cell lymphomas concomitantly overexpressing c-MYC and BCL2. Invest New Drugs. 2018 Jun 21.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481