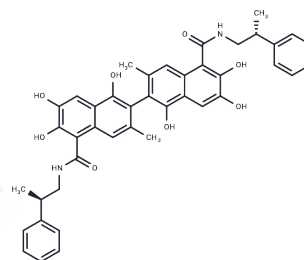


## (S)-Sabutoclax

## Chemical Properties

CAS No. :	1228178-73-1
Formula:	C42H42N2O8S
Molecular Weight:	732.84
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	(S)-Sabutoclax ((S)-BI-97C1), an optically pure derivative of apogossypol, serves as a pan-active inhibitor of the antiapoptotic B-cell lymphoma/leukemia-2 (Bcl-2) family proteins. It effectively blocks the binding of BH3 peptides to key proteins in the family, including Bcl-XL, Bcl-2, Mcl-1, and Bfl-1, displaying inhibitory concentration (IC50) values of 0.31, 0.32, 0.20, and 0.62 μM, respectively. Furthermore, (S)-Sabutoclax demonstrates potent efficacy in inhibiting the growth of various cancer cell lines, such as those from human prostate cancer, lung cancer, and lymphoma, with half-maximal effective concentration (EC50) values of 0.13, 0.56, and 0.049 μM, respectively. This compound is utilized in research focusing on apoptosis-based cancer therapies [1].
Targets(IC50)	Bcl-2 Family,Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3646 mL	6.8228 mL	13.6455 mL
5 mM	0.2729 mL	1.3646 mL	2.7291 mL
10 mM	0.1365 mL	0.6823 mL	1.3646 mL
50 mM	0.0273 mL	0.1365 mL	0.2729 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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