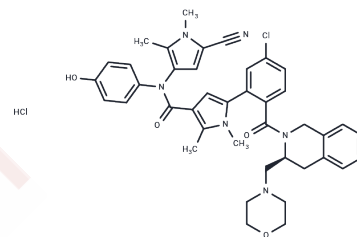


S65487 hydrochloride

## Chemical Properties

CAS No. : 1644543-95-2  
 Formula: C<sub>41</sub>H<sub>42</sub>Cl<sub>2</sub>N<sub>6</sub>O<sub>4</sub>  
 Molecular Weight: 753.73  
 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	S65487 (VOB560) hydrochloride, a potent and selective Bcl-2 inhibitor, is effective against BCL-2 mutations, including G101V and D103Y, while exhibiting poor affinity for MCL-1, BFL-1, and BCL-XL. This compound induces apoptosis and possesses anticancer activities.
Targets(IC50)	Apoptosis,Bcl-2 Family,Others
In vitro	S65487 hydrochloride engages with the BH3 hydrophobic groove of BCL-2, effectively inducing apoptosis in various hematological cancer cell lines while concurrently inhibiting cell proliferation. Its inhibitory concentration 50 (IC50s) values are in the low nanomolar (nM) range[1].
In vivo	S65487 hydrochloride effectively induces complete regression of BCL-2-dependent RS4; 11 tumors in vivo with just one intravenous (IV) administration. When administered weekly via IV at doses well tolerated by the organism, a combination of S65487 hydrochloride and the MCL-1-specific inhibitor, S64315/MIK665, results in strong and persistent regression of lymphoid malignancy xenograft models in both mice and rats [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3267 mL	6.6337 mL	13.2674 mL
5 mM	0.2653 mL	1.3267 mL	2.6535 mL
10 mM	0.1327 mL	0.6634 mL	1.3267 mL
50 mM	0.0265 mL	0.1327 mL	0.2653 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

Arnaud Le Tiran, et al. Abstract 1276: Identification of S65487/VOB560 as a potent and selective intravenous 2nd-generation BCL-2 inhibitor active in wild-type and clinical mutants resistant to Venetoclax. Cancer Research. July 2021.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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