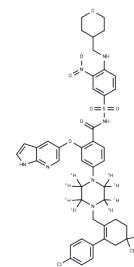


## Venetoclax-D8

## Chemical Properties

CAS No. :	1257051-06-1
Formula:	C <sub>45</sub> H <sub>50</sub> ClN <sub>7</sub> O <sub>7</sub> S
Molecular Weight:	876.488
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	Venetoclax-D8 is a deuterated form of Venetoclax (T2119), a potent, selective, and orally active Bcl-2 inhibitor that induces autophagy and apoptosis.
Targets(IC50)	Bcl-2 Family, Autophagy

## Solubility Information

Solubility	DMSO: 80.00 mg/mL (91.27 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1409 mL	5.7046 mL	11.4091 mL
5 mM	0.2282 mL	1.1409 mL	2.2818 mL
10 mM	0.1141 mL	0.5705 mL	1.1409 mL
50 mM	0.0228 mL	0.1141 mL	0.2282 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

Russak EM, Bednarczyk EM. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019 Feb;53(2):211-216.

Peirs S, et al. ABT-199 mediated inhibition of BCL-2 as a novel therapeutic strategy in T-cell acute lymphoblastic leukemia. *Blood.* 2014 Dec 11;124(25):3738-47.

Yang YL, et al. LC-MS/MS methods for determination of venetoclax in human plasma and cerebrospinal fluid. *Biomed Chromatogr.* 2023 Dec;37(12):e5738.

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