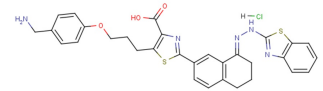


Data Sheet (Cat.No.T13337)

WEHI-539 hydrochloride

Chemical Properties

CAS No.:	2070018-33-4
Formula:	C ₃₁ H ₃₀ ClN ₅ O ₃ S ₂
Molecular Weight:	620.18
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	WEHI-539 hydrochloride is a selective Bcl-XL inhibitor (IC ₅₀ : 1.1 nM).
Targets(IC ₅₀)	Bcl-xL: 1.1 nM
In vitro	WEHI-539 augments NSC 241240 induced caspase 3/7 activity, PARP cleavage, and annexin V labeling. WEHI-539 as a single agent causes noticeable PARP cleavage in Ovar-4 (5 μM in Ovar-4.) and Ovsaho (1 μM in Ovsaho) cells [2].

Solubility Information

Solubility	DMSO: 50 mg/mL (80.62 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.612 mL	8.062 mL	16.124 mL
5 mM	0.322 mL	1.612 mL	3.225 mL
10 mM	0.161 mL	0.806 mL	1.612 mL
50 mM	0.032 mL	0.161 mL	0.322 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. Lessene G, et al. Structure-guided design of a selective BCL-X(L) inhibitor. *Nat Chem Biol.* 2013 Jun;9(6):390-7.
2. Abed MN, et al. Antagonism of Bcl-XL is necessary for synergy between NSC 241240 and BH3 mimetics in ovarian cancer cells. *J Ovarian Res.* 2016 Apr 14;9:25.

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481