

WEHI-539

Chemical Properties

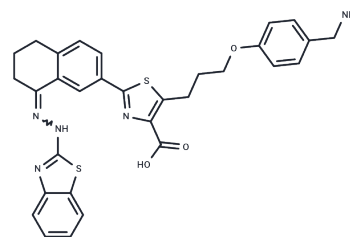
CAS No. : 1431866-33-9

Formula: C₃₁H₂₉N₅O₃S₂

Molecular Weight: 583.72

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

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

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7132 mL	8.5658 mL	17.1315 mL
5 mM	0.3426 mL	1.7132 mL	3.4263 mL
10 mM	0.1713 mL	0.8566 mL	1.7132 mL
50 mM	0.0343 mL	0.1713 mL	0.3426 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.

Reference

Lessene G, et al. Structure-guided design of a selective BCL-X(L) inhibitor. Nat Chem Biol. 2013 ; 9(6):390-397.

Abed MN, et al. Antagonism of Bcl-XL is necessary for synergy between carboplatin and BH3 mimetics in ovarian

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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