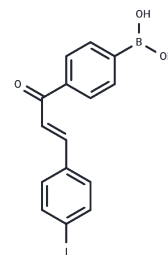


TLBC

Chemical Properties

CAS No. : 562823-84-1
 Formula: C₁₅H₁₂BIO₃
 Molecular Weight: 377.97
 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	TLBC, a borane-chalcone derivative, exhibits dose-dependent inhibitory effects across various glioma cell lines with IC ₅₀ values ranging from 5.5 to 25.5 μM. TLBC induces apoptosis independently of alterations in the tumor suppressor factor p53.
Targets(IC ₅₀)	Apoptosis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6457 mL	13.2286 mL	26.4571 mL
5 mM	0.5291 mL	2.6457 mL	5.2914 mL
10 mM	0.2646 mL	1.3229 mL	2.6457 mL
50 mM	0.0529 mL	0.2646 mL	0.5291 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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