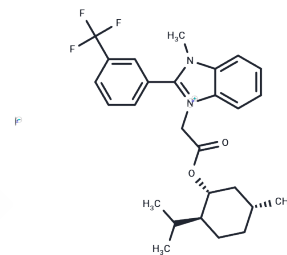


S-Gboxin

Chemical Properties

CAS No. :	2101317-21-7
Formula:	C ₂₇ H ₃₂ F ₃ N ₂ O ₂
Molecular Weight:	600.46
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	S-Gboxin is an active analogue of Gboxin with potent antitumour activity. S-Gboxin inhibits the growth of mouse and human glioblastoma (GBM, IC ₅₀ : 470 nM).
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMSO: 85 mg/mL (141.56 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 8 mg/mL (13.32 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6654 mL	8.3269 mL	16.6539 mL
5 mM	0.3331 mL	1.6654 mL	3.3308 mL
10 mM	0.1665 mL	0.8327 mL	1.6654 mL
50 mM	0.0333 mL	0.1665 mL	0.3331 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

Shi Y, et al. Gboxin is an oxidative phosphorylation inhibitor that targets glioblastoma. Nature. 2019 Mar;567 (7748):341-346.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481