

Bragisin1

Chemical Properties

CAS No. :	369631-68-5
Formula:	C ₁₁ H ₆ F ₃ NO ₄
Molecular Weight:	273.16
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	Bragisin1 is a potent and selective and noncompetitive ArfGEF BRAG2 inhibitor, inhibits Arf GTPase activation (IC ₅₀ : 3 μM), and with anti-cancer activity.
Targets (IC ₅₀)	Others, GTPase

Solubility Information

Solubility	DMSO: 62.5 mg/mL (228.8 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (9.15 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	3.6609 mL	18.3043 mL	36.6086 mL
5 mM	0.7322 mL	3.6609 mL	7.3217 mL
10 mM	0.3661 mL	1.8304 mL	3.6609 mL
50 mM	0.0732 mL	0.3661 mL	0.7322 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

Nawrotek A, et al. PH-domain-binding inhibitors of nucleotide exchange factor BRAG2 disrupt Arf GTPase signaling. Nat Chem Biol. 2019 Feb 11. doi: 10.1038/s41589-019-0228-3.

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