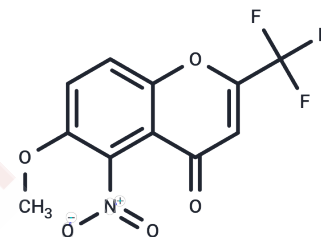


Bragisin2

Chemical Properties

CAS No. :	342795-08-8
Formula:	C ₁₁ H ₆ F ₃ NO ₅
Molecular Weight:	289.16
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	Bragisin2 (6-methoxy-5-nitro-2-(trifluoromethyl)chromen-4-one) is a hydration-resistant cell penetrant, selective and non-competitive inhibitor of Arf guanine nucleotide exchange factor BRAG2 that inhibits Arf GTPase activation, with an IC ₅₀ of 3 μM. Bragisin2 binds at the interface between the pleckstrin homology domain of BRAG2 and the lipid bilayer, leading BRAG2 unable to activate lipidated Arf GTPase.
Targets(IC50)	Others,MDM-2/p53,Ras
In vitro	Administration of 50μM Bragisin2 inhibits Arf GTPase activation in HeLa cells[1]. Administration of 50μM Bragisin2 inhibits the growth of breast cancer stem cells including SUM149 and S68, but has no effect on SUM159, which lacks adhesion molecules such as integrin and cadherin[1].

Solubility Information

Solubility	DMSO: 55 mg/mL (190.21 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4583 mL	17.2915 mL	34.5829 mL
5 mM	0.6917 mL	3.4583 mL	6.9166 mL
10 mM	0.3458 mL	1.7291 mL	3.4583 mL
50 mM	0.0692 mL	0.3458 mL	0.6917 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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