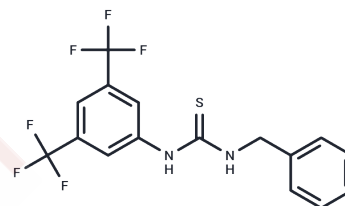


VPC-70063

## Chemical Properties

CAS No. : 13571-44-3  
 Formula: C<sub>16</sub>H<sub>12</sub>F<sub>6</sub>N<sub>2</sub>S  
 Molecular Weight: 378.34  
 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	VPC-70063 (Thiourea, N-[3,5-bis(trifluoromethyl)phenyl]-N'-(phenylmethyl)-) is an inhibitor of c-Myc-MAX. VPC-70063 exhibits Myc-Max transcriptional activity inhibition of 106% with an IC <sub>50</sub> of 8.9 μM and Myc-Max/UBE2C downstream pathway inhibition of 94%. VPC-70063 can be used for studies about anticancer.
Targets(IC <sub>50</sub> )	Apoptosis,c-Myc,PARP
In vitro	VPC-70063 (6.25, 12.5, and 25 μM) causes apoptosis of LNCaP cells as indicated by cleavage of PARP. VPC-70063 (0-500 μM) disrupts the interaction of Myc-Max with DNA in a dose-dependent manner[1].

## Solubility Information

Solubility	DMSO: 45 mg/mL (118.94 mM),Sonication is recommended. ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6431 mL	13.2156 mL	26.4313 mL
5 mM	0.5286 mL	2.6431 mL	5.2863 mL
10 mM	0.2643 mL	1.3216 mL	2.6431 mL
50 mM	0.0529 mL	0.2643 mL	0.5286 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

Carabet LA, et al. Computer-aided drug discovery of Myc-Max inhibitors as potential therapeutics for prostate cancer. Eur J Med Chem. 2018 Dec 5;160:108-119.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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