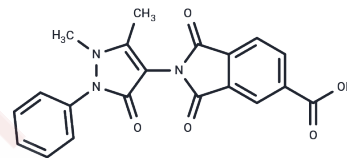


BV02

## Chemical Properties

CAS No. : 292870-53-2  
 Formula: C<sub>20</sub>H<sub>15</sub>N<sub>3</sub>O<sub>5</sub>  
 Molecular Weight: 377.35  
 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	BV02 is an inhibitor of 14-3-3 protein-protein interactions and can be used in studies about the treatment of chronic myeloid leukemia. BV02 disrupts hematopoietic cells expressing the IM-resistant T315I mutation and the IM-sensitive wild-type Bcr-Abl.
Targets(IC50)	Apoptosis,Others,Akt,Caspase,Antibacterial,Bcr-Abl,Autophagy,PARP

## Solubility Information

Solubility	DMSO: 10 mg/mL (26.5 mM),Sonication and heating to 80°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (2.65 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	2.6501 mL	13.2503 mL	26.5006 mL
5 mM	0.530 mL	2.6501 mL	5.3001 mL
10 mM	0.265 mL	1.325 mL	2.6501 mL
50 mM	0.053 mL	0.265 mL	0.530 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

Mancini M, et al. A new nonpeptidic inhibitor of 14-3-3 induces apoptotic cell death in chronic myeloid leukemia sensitive or resistant to imatinib. *J Pharmacol Exp Ther.* 2011 Mar;336(3):596-604.

Valensin D, et al. Molecular insights to the bioactive form of BV02, a reference inhibitor of 14-3-3 $\sigma$  protein-protein interactions. *Bioorg Med Chem Lett.* 2016 Feb 1;26(3):894-898.

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

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