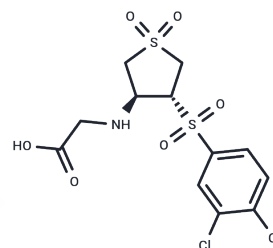


CBR-470-2

## Chemical Properties

CAS No. : 2416095-00-4  
 Formula: C<sub>12</sub>H<sub>13</sub>Cl<sub>2</sub>NO<sub>6</sub>S<sub>2</sub>  
 Molecular Weight: 402.26  
 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	CBR-470-2, a glycine-substituted analog, activates NRF2 signaling, making it valuable for investigating glycolysis modulation in scientific research [1].
Targets(IC50)	Others,Nrf2
In vitro	CBR-470-2 (1-10 μM; 24 h) upregulates NRF2-responsive genes NQO1 and HMOX1 in epidermal keratinocytes and dermal fibroblasts[1].
In vivo	CBR-470-2 (50 mg/kg; p.o. twice daily for 10 days) induces activation of NRF2 signaling in vivo. Animal Model: Balb/C mice (5-week old) exposed to UVB.

## Solubility Information

Solubility	DMSO: 200 mg/mL (497.19 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 5 mg/mL (12.43 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

---

	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	2.486 mL	12.4298 mL	24.8595 mL
5 mM	0.4972 mL	2.486 mL	4.9719 mL
10 mM	0.2486 mL	1.243 mL	2.486 mL
50 mM	0.0497 mL	0.2486 mL	0.4972 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

Bollong MJ, et, al. A metabolite-derived protein modification integrates glycolysis with KEAP1-NRF2 signalling. Nature. 2018 Oct;562(7728):600-604.

**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