

## Nrf2 activator-10

## Chemical Properties

CAS No. :	75483-04-4
Formula:	C <sub>13</sub> H <sub>12</sub> ClNO <sub>3</sub>
Molecular Weight:	265.692
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	Nrf2 activator-10 (Compound AI-1) is a PI3K-dependent antioxidant response element (ARE) inducer, with an EC <sub>50</sub> of 2.7 μM, and also acts as an Nrf2 activator. It modifies Keap1, preventing the formation of the Cul3-Keap1 ubiquitin ligase complex, thereby activating Nrf2 transcription. Nrf2 activator-10 provides cellular protection against H <sub>2</sub> O <sub>2</sub> -induced apoptosis.
Targets(IC <sub>50</sub> )	Apoptosis,Nrf2

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7638 mL	18.8189 mL	37.6378 mL
5 mM	0.7528 mL	3.7638 mL	7.5276 mL
10 mM	0.3764 mL	1.8819 mL	3.7638 mL
50 mM	0.0753 mL	0.3764 mL	0.7528 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.

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