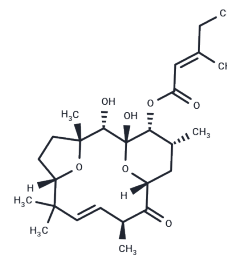


## Tonantzitolone

## Chemical Properties

CAS No. : 845811-30-5  
 Formula: C<sub>26</sub>H<sub>40</sub>O<sub>7</sub>  
 Molecular Weight: 464.59  
 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	Tonantzitolone is a natural agonist of tprc1/4/5 channels, also acting as a dual pkc $\alpha$ and pkc $\theta$ activator, inducing an insulin resistant phenotype by inhibiting irs1 and the pi3k/akt pathway, activating the heat shock factor 1 (hsf1) transcription factor driving glucose dependency
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1524 mL	10.7622 mL	21.5244 mL
5 mM	0.4305 mL	2.1524 mL	4.3049 mL
10 mM	0.2152 mL	1.0762 mL	2.1524 mL
50 mM	0.043 mL	0.2152 mL	0.4305 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.

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