# Data Sheet (Cat.No.T8055)



## **TFEB** activator 1

Chemical Propert	ies	
CAS No. :	39777-61-2	
Formula:	С19Н18О3	
Molecular Weight:	294.34	CH3
Appearance:	no data available	° CH.
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year	

## **Biological Description**

Description	TFEB activator 1 (Curcumin analog compound C1) is an activator of transcription factor EB (TFEB) with promise for the prevention or treatment of Alzheimer's disease.	
Targets(IC50)	Others,Autophagy	

Solubility Information	
Solubility	DMSO: 59 mg/mL (200.45 mM), Ethanol: 2 mg/mL (6.79 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3974 mL	16.9872 mL	33.9743 mL
5 mM	0.6795 mL	3.3974 mL	6.7949 mL
10 mM	0.3397 mL	1.6987 mL	3.3974 mL
50 mM	0.0679 mL	0.3397 mL	0.6795 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.

### Reference

Song JX, et al. A novel curcumin analog binds to and activates TFEB in vitro and in vivo independent of MTOR inhibition. Autophagy. 2016 Aug 2;12(8):1372-89.

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