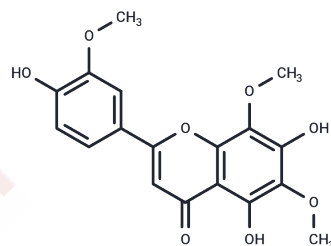


## Sudachitin

## Chemical Properties

CAS No. :	4281-28-1
Formula:	C <sub>18</sub> H <sub>16</sub> O <sub>8</sub>
Molecular Weight:	360.32
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	Sudachitin is a polymethoxyflavone primarily found in Citrus sudachi. It exhibits anti-obesity effects by promoting lipolysis in fat cells. Additionally, Sudachitin reduces the production of MMP-1 and MMP-3 in TNF- $\alpha$ activated HPDLC by inhibiting the Akt pathway.
Targets(IC50)	ERK,p38 MAPK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7753 mL	13.8766 mL	27.7531 mL
5 mM	0.5551 mL	2.7753 mL	5.5506 mL
10 mM	0.2775 mL	1.3877 mL	2.7753 mL
50 mM	0.0555 mL	0.2775 mL	0.5551 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