# Data Sheet (Cat.No.TN2064)



## Physcion 8-O-β-D-glucopyranoside

#### **Chemical Properties**

CAS No.: 23451-01-6

Formula: C22H22O10

Molecular Weight: 446.4

Appearance: no data available

Storage: keep away from direct sunlight

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

#### **Biological Description**

Description	Physcion 8-O- $\beta$ -D-glucopyranoside (Physcion 8-O-beta-D-monoglucoside) has anti-inflammatory and anti-cancer activities. Physcion 8-O- $\beta$ -D-glucopyranoside can be used in studies about common malignancy cancer.
Targets(IC50)	TNF
In vitro	Physcion 8-O- $\beta$ -D-glucopyranoside inhibits TNF- $\alpha$ ±-induced cytotoxicity and apoptosis in L929 cells via TNF-R1[1].

#### **Solubility Information**

Solubility DMSO: 10 mg/mL (22.4 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

### **Preparing Stock Solutions**

./()	1mg	5mg	10mg
1 mM	2.2401 mL	11.2007 mL	22.4014 mL
5 mM	0.448 mL	2.2401 mL	4.4803 mL
10 mM	0.224 mL	1.1201 mL	2.2401 mL
50 mM	0.0448 mL	0.224 mL	0.448 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

Cao Y, et al. Identification of a ligand for tumor necrosis factor receptor from Chinese herbs by combination of surface plasmon resonance biosensor and UPLC-MS. Anal Bioanal Chem. 2016 Jul;408(19):5359-67.

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