3-Phenoxybenzaldehyde

Cat. No.: HY-Y0641

CAS No.: 39515-51-0

Molecular Formula: $C_{13}H_{10}O_2$

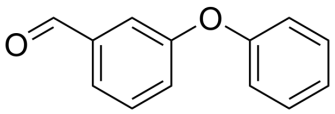
Molecular Weight: 198.22

Target: Complement System

Pathway: Immunology/Inflammation

Storage: 4°C, stored under nitrogen

* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (504.49 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	5.0449 mL	25.2245 mL	50.4490 mL
	5 mM	1.0090 mL	5.0449 mL	10.0898 mL
	10 mM	0.5045 mL	2.5224 mL	5.0449 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (12.61 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (12.61 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (12.61 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

3-Phenoxybenzaldehyde has weak complement classical pathway inhibition and hemolytic activity[1].

REFERENCES

[1]. Master HE, et al. Synthesis of low molecular weight compounds with complement inhibition activity. Bioorg Med Chem Lett. 2003 Apr 7;13(7):1249-51.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA