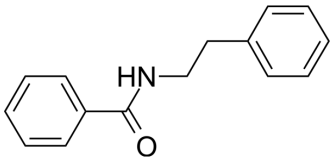
N-Phenethylbenzamide

Cat. No.:	HY-32135		
CAS No.:	3278-14-6		
Molecular Formula:	$C_{15}H_{15}NO$		
Molecular Weight:	225.29		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (221.94 mM; ultrasonic and warming and heat to 80°C)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	4.4387 mL	22.1936 mL	44.3872 mL
	5 mM	0.8877 mL	4.4387 mL	8.8774 mL
	10 mM	0.4439 mL	2.2194 mL	4.4387 mL

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

BIOLOGICAL ACTIVITY

Description

N-Phenethylbenzamide is an active compound. N-Phenethylbenzamide can be extracted from Liriodendron tulipifera. N-Phenethylbenzamide can be used for the research of inflammatory diseases[1].

In Vitro

N-Phenethylbenzamide inhibits LPS-induced NO production with IC_{50} value of ⊠50 μM[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. InWha Park, et al. Tulipiferamide A, an Alkamide from Liriodendron tulipifera, Exhibits an Anti-Inflammatory Effect via Targeting IKKβ Phosphorylation. J Nat Prod

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