Acetaminophen (Standard)

MedChemExpress

Cat. No.:	HY-66005R
CAS No.:	103-90-2
Molecular Formula:	C ₈ H ₉ NO ₂ OH
Molecular Weight:	151.16
Target:	COX; Endogenous Metabolite; Histone Acetyltransferase; Bacterial; Parasite
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; Epigenetics; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (1653.88 mM; Need ultrasonic) H ₂ O : 10 mg/mL (66.16 mM; Need ultrasonic)		
	Preparing Stock Solutions	Solvent Mass Concentration	1 mg
		1 mM	6.6155 mL
		5 mM	1.3231 mL
		10 mM	0.6616 mL
	Please refer to the so	lubility information to select the app	propriate solvent.

BIOLOGICAL ACTIV	ІТҮ	
Description	applications. Acetaminopher	the analytical standard of Acetaminophen. This product is intended for research and ana (Paracetamol) is a selective cyclooxygenase-2 (COX-2) inhibitor with an IC ₅₀ of 25.8 μM; is inalgesic agent ^{[1][2][3]} . Acetaminophen is a potent hepatic N-acetyltransferase 2 (NAT2)
IC ₅₀ & Target	COX-1	COX-2

CUSTOMER VALIDATION

- Cell. 2023 Dec 7;186(25):5500-5516.e21.
- Nat Commun. 2021 Sep 20;12(1):5548.
- Nat Commun. 2021 Aug 26;12(1):5131.

10 mg

66.1551 mL

13.2310 mL

6.6155 mL

5 mg

33.0775 mL

6.6155 mL

3.3078 mL

- Nat Commun. 2021 May 17;12(1):2863.
- Theranostics. 2017 Sep 26;7(17):4135-4148.

See more customer validations on www.MedChemExpress.com

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