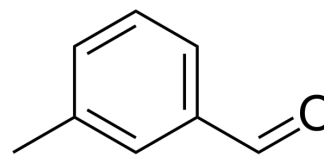


m-Tolualdehyde

Cat. No.:	HY-78086
CAS No.:	620-23-5
Molecular Formula:	C ₈ H ₈ O
Molecular Weight:	120.15
Target:	Others
Pathway:	Others
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 (832.29 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	8.3229 mL	41.6146 mL	83.2293 mL
		5 mM	1.6646 mL	8.3229 mL	16.6459 mL
		10 mM	0.8323 mL	4.1615 mL	8.3229 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 (20.81 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (20.81 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (20.81 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	m-Tolualdehyde (3-Methylbenzaldehyde) is a tolualdehyde compound with the methyl substituent at the 3-position. m-Tolualdehyde can be used as a food additive.
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REFERENCES

[1]. Raquel Rodríguez-Solana, et al. Production method and varietal source influence the volatile profiles of spirits prepared from fig fruits (*Ficus carica* L.). European Food Research and Technology volume 244, pages2213–2229(2018)

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

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