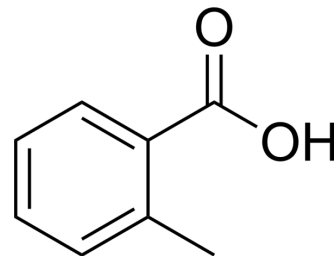


## o-Toluic acid

Cat. No.:	HY-41494		
CAS No.:	118-90-1		
Molecular Formula:	C <sub>8</sub> H <sub>8</sub> O <sub>2</sub>		
Molecular Weight:	136.15		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
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 : 100 mg/mL (734.48 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	7.3448 mL	36.7242 mL	73.4484 mL
		5 mM	1.4690 mL	7.3448 mL	14.6897 mL
10 mM		0.7345 mL	3.6724 mL	7.3448 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 (18.36 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (18.36 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (18.36 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	o-Toluic acid (2-Methylbenzoic acid) is a benzoic acid substituted by a methyl group at position 2. O-Toluic acid plays a role as a xenobiotic metabolite.
IC <sub>50</sub> & Target	IC50: xenobiotic metabolite

### CUSTOMER VALIDATION

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- Laurea Magistrale in Biomedical Engineering, Politecnico di Milano. 2019 Jun.

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

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