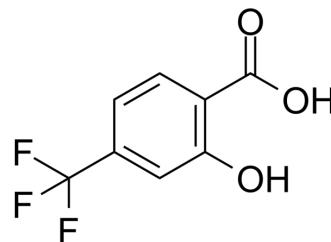


4-Trifluoromethylsalicylic acid

Cat. No.:	HY-W014632		
CAS No.:	328-90-5		
Molecular Formula:	C ₈ H ₅ F ₃ O ₃		
Molecular Weight:	206.12		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (485.15 mM; Need ultrasonic)

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

Solvent	1 mg	5 mg	10 mg
Concentration			
Preparing Stock Solutions			
1 mM	4.8515 mL	24.2577 mL	48.5154 mL
5 mM	0.9703 mL	4.8515 mL	9.7031 mL
10 mM	0.4852 mL	2.4258 mL	4.8515 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (12.13 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (12.13 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

4-Trifluoromethylsalicylic acid (Desacetyl triflusal) is a platelet aggregation inhibitor^[1].

REFERENCES

- [1]. Rodríguez G, et al. Hydrophilic polymer drug from a derivative of salicylic acid: synthesis, controlled release studies and biological behavior. *Macromol Biosci.* 2004;4(6):579-586.