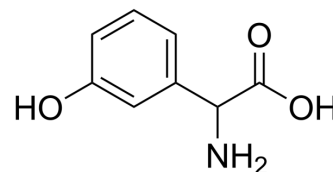


(Rac)-3-Hydroxyphenylglycine

Cat. No.:	HY-100841		
CAS No.:	31932-87-3		
Molecular Formula:	C ₈ H ₉ NO ₃		
Molecular Weight:	167.16		
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 : 18.18 mg/mL (108.76 mM; ultrasonic and adjust pH to 9 with 1M NaOH)

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		5.9823 mL	29.9115 mL	59.8229 mL
	5 mM		1.1965 mL	5.9823 mL	11.9646 mL
	10 mM		0.5982 mL	2.9911 mL	5.9823 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: ≥ 1.82 mg/mL (10.89 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 1.82 mg/mL (10.89 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(Rac)-3-Hydroxyphenylglycine is an phosphoinositide hydrolysis agonist^[1]. ACPD: I-aminocyclopentane-1,3-dicarboxylic acid.

REFERENCES

- [1]. E F Birse, et al. Phenylglycine derivatives as new pharmacological tools for investigating the role of metabotropic glutamate receptors in the central nervous system. *Neuroscience*. 1993 Feb;52(3):481-8. *Neuroscience*. 1993 Feb;52(3):481-8.

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

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