Lafadofensine (D-(-)-Mandelic acid)

Cat. No.: HY-145577A

Molecular Formula: $C_{32}H_{32}F_2N_2O_6$

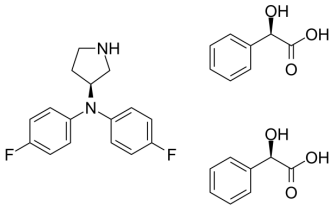
Molecular Weight: 578.6

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 : 250 mg/mL (432.08 mM; Need ultrasonic)

Preparing Stock Solutions	Concentration \ Solvent \ Mass	1 mg	5 mg	10 mg
	1 mM	1.7283 mL	8.6415 mL	17.2831 mL
	5 mM	0.3457 mL	1.7283 mL	3.4566 mL
	10 mM	0.1728 mL	0.8642 mL	1.7283 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: ≥ 2.08 mg/mL (3.59 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.08 mg/mL (3.59 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.08 mg/mL (3.59 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Lafadofensine D-(-)-Mandelic acid is the monoamines reuptake inhibitor. Lafadofensine D-(-)-Mandelic acid has sufficient effects after short-term administration[1].

REFERENCES

[1]. Muneaki Kurimura, et al. N,n-substituted 3-aminopyrrolidine compounds useful as monoamines reuptake inhibitors. Patent WO2006121218A1.

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

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