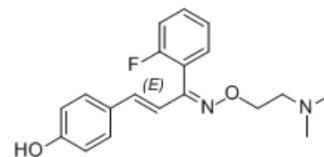


Eplivanserin (mixture)

Cat. No.:	HY-10792A		
CAS No.:	130581-13-4		
Molecular Formula:	C ₁₉ H ₂₁ FN ₂ O ₂		
Molecular Weight:	328.38		
Target:	Serotonin Transporter; 5-HT Receptor		
Pathway:	Neuronal Signaling; GPCR/G Protein		
Storage:	Powder	-20°C	3 years
		4°C	2 years



* The compound is unstable in solutions, freshly prepared is recommended.

SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (380.66 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.0453 mL	15.2263 mL	30.4525 mL
	5 mM	0.6091 mL	3.0453 mL	6.0905 mL
	10 mM	0.3045 mL	1.5226 mL	3.0453 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: ≥ 2.08 mg/mL (6.33 mM); Clear solution
- Add each solvent one by one: **10% DMSO >> 90% (20% SBE-β-CD in saline)**
Solubility: ≥ 2.08 mg/mL (6.33 mM); Clear solution
- Add each solvent one by one: **10% DMSO >> 90% corn oil**
Solubility: ≥ 2.08 mg/mL (6.33 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Eplivanserin mixture (SR-46349 mixture) is a selective **serotonin reuptake inhibitor** and a **5-HT_{2A} receptor antagonist**, extracted from patent WO 2005/002578 A1^[1].

IC₅₀ & Target

5-HT_{2A} Receptor

REFERENCES

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

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