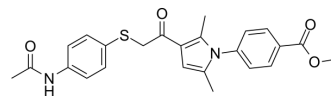


VU0155094

Cat. No.:	HY-121848		
CAS No.:	731006-86-3		
Molecular Formula:	C ₂₄ H ₂₄ N ₂ O ₄ S		
Molecular Weight:	436.52		
Target:	mGluR		
Pathway:	GPCR/G Protein; Neuronal Signaling		
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 (229.08 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.2908 mL	11.4542 mL	22.9085 mL
	5 mM	0.4582 mL	2.2908 mL	4.5817 mL
	10 mM	0.2291 mL	1.1454 mL	2.2908 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 (5.73 mM); Clear solution; Need ultrasonic and warming and heat to 80°C
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (5.73 mM); Clear solution; Need ultrasonic and warming and heat to 80°C
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 2.5 mg/mL (5.73 mM); Clear solution; Need ultrasonic and warming and heat to 80°C

BIOLOGICAL ACTIVITY

Description

VU0155094 is a positive allosteric modulator with differential activity at the various group III mGluRs^[1].

REFERENCES

[1]. Jalan-Sakrikar N, et al. Identification of positive allosteric modulators VU0155094 (ML397) and VU0422288 (ML396) reveals new insights into the biology of metabotropic

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

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