

Product Data Sheet

Product Name: Losigamone

Cat. No.: GC72793

Chemical Properties

Cas. No. 112856-44-7

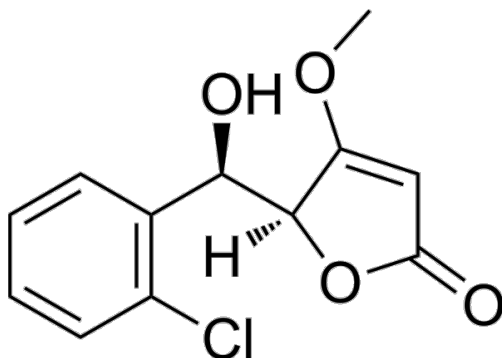
Formula $C_{12}H_{11}ClO_4$ M.Wt 254.67

Solubility DMSO : 100 mg/mL (392.67 mM; Need ultrasonic) Storage 4°C, protect from light

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

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

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Losigamone (AO-33) is an orally active antiepileptic compound. Losigamone blocks sodium channel. Losigamone stimulates the neuronal chloride channel and enhance chloride influx. Losigamone potentiates GABA-mediated responses and reduces epileptiform activity induced by chloride channel antagonists. Losigamone can be used for epilepsy research.

References:

- [1]. Chen H, et al. Losigamone add-on therapy for focal epilepsy. Cochrane Database Syst Rev. 2019 Dec 11;12(12):CD009324.
- [2]. Jones FA, et al. The anticonvulsant effects of the enantiomers of losigamone. Br J Pharmacol. 1999 Nov;128(6):1223-8.

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