
Product Data Sheet

Product Name: Lasmiditan succinate

Cat. No.: GC25563

Chemical Properties

Cas. No. 439239-92-6

Formula C₄₂H₄₂F₆N₆O₈

M.Wt 872.81

Solubility DMSO: 100 mg/mL (114.57 mM);Water: 14 mg/mL (16.04 mM);Ethanol: 9 mg/mL (10.31 mM)

Store
Storage at -
20°C

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**

Lasmiditan succinate (COL-144, LY573144) is a novel, centrally acting, highly selective 5-HT(1F) receptor agonist (K_i=2.21 nM) without vasoconstrictor activity.

Lasmiditan shows higher selectivity for the 5-HT(1F) receptor relative to other 5-HT(1) receptor subtypes than the first generation 5-HT(1F) receptor agonist LY334370[1].

Lasmiditan is orally active in two in vivo models of migraine that involve electrical stimulation of the trigeminal ganglion. After oral administration, lasmiditan potently decreases dural plasma protein extravasation and the number of c-fos positive cells in the trigeminal nucleus caudalis at a dose of 3 mg/kg[1].

[1] Nelson DL, et al. Cephalalgia. 2010, 30(10):1159-69.

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

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