
Product Data Sheet

Product Name: Lasmiditan hydrochloride

Cat. No.: GC36428

Chemical Properties

Cas. No. 613677-28-4

SMILES O=C(NC1=NC(C(C2CCN(C)CC2)=O)=CC=C1)C3=C(F)C=C(F)C=C3F.[H]ClFormula $C_{19}H_{19}ClF_3N_3O_2$ M.Wt 413.82

Solubility Soluble in DMSO Storage Store 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 is an analytical reference standard categorized as an agonist of the serotonin (5-HT) receptor subtype 5-HT_{1F}.¹ Formulations containing lasmiditan have been used in the treatment of migraine headache. Lasmiditan has low abuse potential.² Lasmiditan is regulated as a Schedule V compound in the United States. This product is intended for research and forensic applications.

1. Nelson, D.L., Phebus, L.A., Johnson, K.W., et al. Preclinical pharmacological profile of the selective 5-HT_{1F} receptor agonist lasmiditan. *Cephalalgia* 30(10):1159-1169 (2010)

2. Wilbraham, D., Berg, P.H., Tsai, M., et al. Abuse potential of lasmiditan: A phase 1 randomized, placebo- and alprazolam-controlled crossover study. *Clin. Pharmacol.* (2019)

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

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