
Product Data Sheet

Product Name: Loperamide D6 hydrochloride

Cat. No.: GC61003

Chemical Properties

Cas. No. 1189469-46-2

SMILES Cl[H].O=C(N(C([2H])([2H])[2H])C([2H])([2H])[2H])C(C1=CC=CC=C1)(C2=CC=CC=C2)CCN3CCC(O)(C4=CC=C(Cl)C=C4)CC3Formula $C_{29}H_{28}D_6Cl_2N_2O_2$ M.Wt 519.54Solubility DMSO : 50 mg/mL (96.24 mM; Need ultrasonic); H₂O : 1 mg/mL (1.92 mM; Need ultrasonic) 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**

Loperamide D6 hydrochloride (R-18553 D6 hydrochloride) is a deuterium labeled Loperamide hydrochloride. Loperamide hydrochloride is an opioid receptor agonist for the treatment of diarrhea[1].

[1]. Hanauer, S.B., The role of loperamide in gastrointestinal disorders. Rev Gastroenterol Disord, 2008. 8(1): p. 15-20.

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

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