

Product Data Sheet

Product Name: RyR1-IN-1

Cat. No.: GC79499

Chemical Properties

Cas. No. 2837939-81-6

Formula $C_{19}H_{22}NNaO_5$

M.Wt 367.37

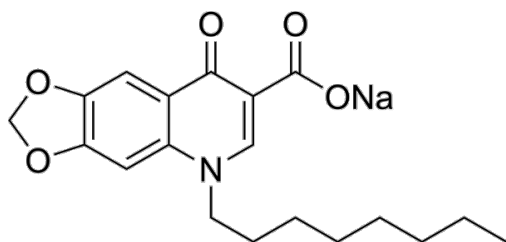
Solubility

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

RyR1-IN-1 (Compound 1) is a RyR1 inhibitor with an IC_{50} of 12 nM. RyR1-IN-1 blocks Ca^{2+} release and inhibits muscle tetany caused by caffeine and heat stress. RyR1-IN-1 can completely prevent the increase in body temperature and death caused by isoflurane and heat stress. RyR1-IN-1 can be used for the study of heat stroke [1].

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

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