
Product Data Sheet

Product Name: RTC13
Cat. No.: GC69838

Chemical Properties

Cas. No. 1359825-94-7

Formula $C_{14}H_9N_3O_4S$ M.Wt 315.3

Solubility DMSO : 100 mg/mL (317.16 mM; Need ultrasonic) 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

RTC13 restores dystrophin expression and improves muscle function in the mdx mouse model for Duchenne muscular dystrop (DMD)^[1].

Animal Model: Wild-type (C57BL/10) mice at 10 to 12 weeks of age^[1].

Dosage: 10 (n = 5), 30 (n = 5), 60 (n = 5) or 300 mg/kg (n = 5).

Administration: Intraperitoneal Administration.

Result: No changes were observed in liver and kidney weights at the time of necropsies, and Hematoxylin and Eosin (H&E) staining revealed the absence of histopathological changes.

[1]. Refik Kayali, et al. Read-through compound 13 restores dystrophin expression and improves muscle function in the mdx mouse model for Duchenne muscular dystrop. Hum Mol Genet. 2012 Sep 15;21(18):4007-20.

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

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