

Product Data Sheet

Product Name: ADM 12
Cat. No.: GC79524

Chemical Properties

Cas. No. 1644134-60-0

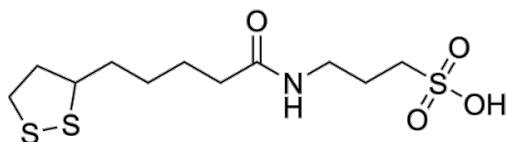
Formula $C_{11}H_{21}NO_4S_3$ M.Wt 327.48

Solubility DMSO: 100 mg/mL (305.36 mM; Need ultrasonic) Storage Store at 4°C, away from moisture

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

ADM 12 is a highly selective transient receptor potential ankyrin 1 (TRPA1) channel antagonist. ADM 12 blocks nitroglycerin (NTG)-induced trigeminal hyperalgesia in animal models, reducing expression of pain-related genes (c-Fos, TRPA1) and neuropeptides (CGRP, SP). ADM_12 is

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

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promising for research of migraine and neuropathic pain [1].

References:

[1]. Demartini C, et al. The role of the transient receptor potential ankyrin type-1 (TRPA1) channel in migraine pain: evaluation in an animal model. J Headache Pain. 2017 Sep 7;18(1):94.

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