
Product Data Sheet

Product Name: MLK-IN-1
Cat. No.: GC64634

Chemical Properties

Cas. No. 1627729-62-7

Formula C₂₃H₂₀N₄O₃S M.Wt 432.49

Solubility DMSO : 62.5 mg/mL (144.51 mM; ultrasonic and warming and heat to 80°C) 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

MLK-IN-1 is a potent, brain penetrant and specific mixed lineage kinase 3 (MLK-3) inhibitor, compound 68, extracted from patent US20140256733A1[1].

MLK-IN-1 (100 nM; pre-treatment 20 mins HIV-1 Tat) promotes continued axonogenesis in the presence of Tat-activated microglia and protects against effects of HIV-Tat in vitro[1].

[1]. Val S. Goodfellow, et al. Mixed lineage kinase inhibitors and method of treatments. Patent US20140256733A1.

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

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