

Product Data Sheet

Product Name: MRT-83 hydrochloride

Cat. No.: GC63863

Chemical Properties

Cas. No. 1359944-60-7

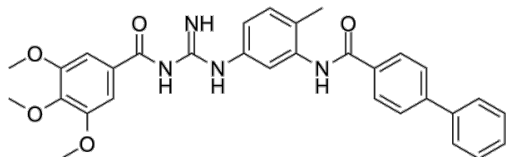
Formula C₃₁H₃₁ClN₄O₅ M.Wt 575.05

Solubility DMSO : 250 mg/mL (434.74 mM; Need ultrasonic) Storage 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



HCl

Background

MRT-83 (hydrochloride) is the potent antagonist of Smoothed (Smo) receptor. MRT-83 (hydrochloride) inhibits the Hedgehog (Hh) signaling pathway and BODIPY-cyclopamine binding to

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

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human Smo. MRT-83 (hydrochloride) has the potential for researching cancer disease[1].

MRT-83 (hydrochloride) (compound 86) has IC₅₀s of 15 and 11 nM respectively in Shh-light2 and C3H10T1/2 cells in the biological activity assay[1].

[1]. Solinas A, et al. Acylthiourea, acylurea, and acylguanidine derivatives with potent hedgehog inhibiting activity. J Med Chem. 2012;55(4):1559-1571.

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