

Product Data Sheet

Product Name: ALE-0540

Cat. No.: GC70564

Chemical Properties

Cas. No. 234779-34-1

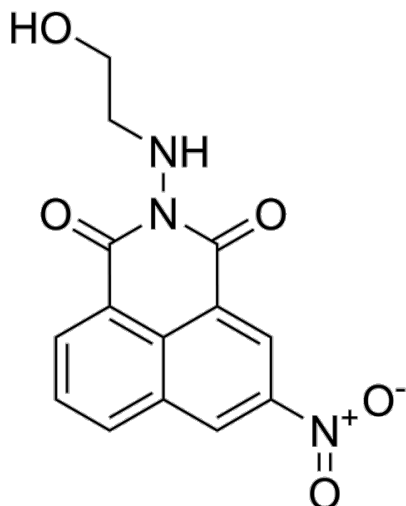
Formula $C_{14}H_{11}N_3O_5$ M.Wt 301.25

Solubility DMSO : 125 mg/mL (414.94 mM); Storage -20°C
Need ultrasonic; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO)

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

ALE-0540, a nonpeptidic small molecule, is a nerve growth factor receptor antagonist. ALE-0540 inhibits the binding of NGF to tyrosine kinase (Trk) A or both p75 and TrkA with IC₅₀ values of 5.88 μM and 3.72 μM, respectively. ALE-0540 can be used to examine mechanisms leading to the development of agents for the treatment of pain.

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

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References:

[1]. Owolabi JB, et al. Characterization of antiallodynic actions of ALE-0540, a novel nerve growth factor receptor antagonist, in the rat. J Pharmacol Exp Ther. 1999 Jun;289(3):1271-6.

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