
Product Data Sheet

Product Name: NSC49652

Cat. No.: GC67792

Chemical Properties

Cas. No. 908563-68-8

Formula $C_{14}H_{11}NO_2$

M.Wt 225.24

Solubility DMSO : ≥ 20.83 mg/mL (92.48 mM)Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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**

NSC49652 is a reversible, orally active **p75 neurotrophin receptor** (p75^{NTR}, also known as NGFR, TNFRSF16, and CD271) inhibitor. NSC49652 targets the transmembrane domain of p75^{NTR}. NSC49652 induces **Apoptosis** and affects the viability of melanoma cells^[1].

[1]. Goh ETH, et al. A Small Molecule Targeting the Transmembrane Domain of Death Receptor p75^{NTR} Induces Melanoma Cell Death and Reduces Tumor Growth. Cell Chem Biol. 2018 Dec 20;25(12):1485-1494.e5.

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

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