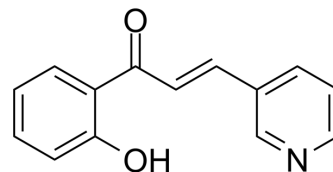


NSC49652

Cat. No.:	HY-111163		
CAS No.:	908563-68-8		
Molecular Formula:	C ₁₄ H ₁₁ NO ₂		
Molecular Weight:	225.24		
Target:	Apoptosis		
Pathway:	Apoptosis		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 20.83 mg/mL (92.48 mM)
 * "≥" means soluble, but saturation unknown.

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		4.4397 mL	22.1985 mL	44.3971 mL
	5 mM		0.8879 mL	4.4397 mL	8.8794 mL
	10 mM		0.4440 mL	2.2199 mL	4.4397 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

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

IC₅₀ & Target

p75^{NTR}, Apoptosis^[1]

REFERENCES

[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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