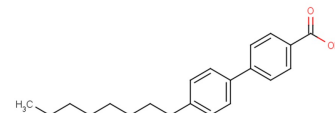


AC-55649

Chemical Properties

CAS No.:	59662-49-6
Formula:	C ₂₁ H ₂₆ O ₂
Molecular Weight:	310.43
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	AC-55649 is a highly isoform-selective agonist of human RAR β 2 receptor (pEC ₅₀ : 6.9).
Targets(IC ₅₀)	RAR β 2: 6.9 (pEC ₅₀)
In vitro	AC-55649 is a potent, highly isoform-selective agonist at the human RAR β 2 receptor, with a pEC ₅₀ of 6.9[1]. AC-55649 is a potent and selective activator of RAR β 2 transcriptional activity[2].

Solubility Information

Solubility	DMSO: 100 mg/mL (322.13 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.221 mL	16.107 mL	32.213 mL
5 mM	0.644 mL	3.221 mL	6.443 mL
10 mM	0.322 mL	1.611 mL	3.221 mL
50 mM	0.064 mL	0.322 mL	0.644 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Lund BW, et al. Discovery of a potent, orally available, and isoform-selective retinoic acid beta2 receptor agonist. J Med Chem. 2005 Dec 1;48(24):7517-9.
2. Piu F, et al. Identification of novel subtype selective RAR agonists. Biochem Pharmacol. 2005 Dec 19;71(1-2):156-62.

Inhibitors · Natural Compounds · Compound Libraries

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