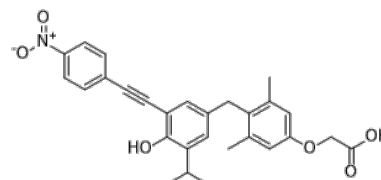


Product Name : TR β antagonist NH-3
Cat. No. : PC-25619
CAS No. : 447415-26-1
Molecular Formula : C₂₈H₂₇NO₆
Molecular Weight : 473.53
Target : Thyroid Hormone Receptor (THR)
Solubility : 10 mM in DMSO



CAS: 447415-26-1

Biological Activity

TR β antagonist NH-3 is a potent, selective antagonist of Thyroid hormone receptor beta (TR β) with binding KD of 20 nM (hTR β) and 93 nM (TR α 1).

NH-3 is TR β -selective in both binding and inhibition of T3-induced transactivation.

NH-3 blocks 1 nM T3 induced transactivation in a dose-dependent manner with IC₅₀ of 370 nM.

NH-3 inhibits PCa cell proliferation in vitro and reduced tumor size in PCa xenograft models in vivo.

References

Nguyen NH, et al. J Am Chem Soc. 2005 Apr 6;127(13):4599-608.

Nguyen NH, et al. J Med Chem. 2002;45(15):3310-20.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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