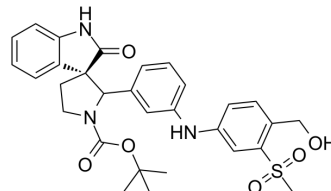


LXR β agonist-3

Cat. No.:	HY-146275
CAS No.:	2413308-63-9
Molecular Formula:	C ₃₀ H ₃₃ N ₃ O ₆ S
Molecular Weight:	563.66
Target:	LXR
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	LXR β agonist-3 (compound 4-13) is a potent and selective LXR β (liver X receptor β) agonist, with an EC ₅₀ of 0.095 μ M. LXR β agonist-3 efficiently inhibits U87EGFRvIII cell, with an IC ₅₀ of 3.75 μ M. LXR β agonist-3 shows antitumor activity, and can inhibit glioblastoma ^[1] .
IC₅₀ & Target	EC ₅₀ : 0.095 \pm 0.012 μ M (LXR β) 0.277 \pm 0.066 μ M (LXR α) ^[1]
In Vivo	LXR β agonist-3 (compound 4-13) (BALB/c mice, 50 mg/kg, IP, daily for 15 days) significantly reduces glioblastoma tumor growth ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Chen H, Chen Z, Zhang Z, Li Y, Zhang S, Jiang F, Wei J, Ding P, Zhou H, Gu Q, Xu J. Discovery of new LXR β agonists as glioblastoma inhibitors. Eur J Med Chem. 2020 May 15;194:112240.

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

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