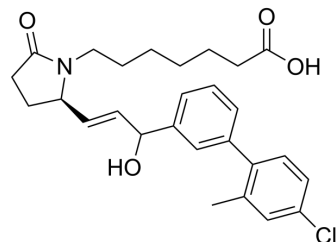


EP4 receptor agonist 2

Cat. No.:	HY-118609
CAS No.:	493035-81-7
Molecular Formula:	C ₂₇ H ₃₂ ClNO ₄
Molecular Weight:	470
Target:	Prostaglandin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	EP4 receptor agonist 2 (compound 31) a potent EP4 receptor agonist with an EC ₅₀ value of 0.8 nM; K _i values of >100000, 38000, 3.1 nM for EP2, EP3, EP4 respectively ^[1] .			
IC₅₀ & Target	EP4 0.8 nM (EC50)	EP2 >100000 nM (Ki)	EP3 38000 nM (Ki)	EP4 3.1 nM (Ki)

REFERENCES

[1]. Elworthy TR, et al. Lactams as EP4 prostanoid receptor subtype selective agonists. Part 1: 2-Pyrrolidinones-stereochemical and lower side-chain optimization. Bioorg Med Chem Lett. 2004 Apr 5;14(7):1655-9.

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

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