



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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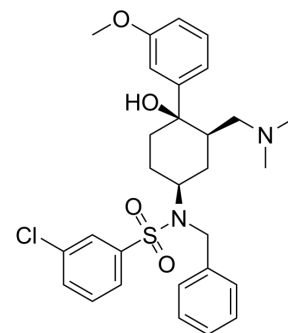
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KOR agonist 2

Cat. No.:	HY-159088
Molecular Formula:	C ₂₉ H ₃₅ ClN ₂ O ₄ S
Molecular Weight:	543.12
Target:	Opioid Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	KOR agonist 2 (Compound 23p) is an agonist for κ opioid receptor (KOR) with K_i of 1.9 nM. KOR agonist 2 exhibits analgesic effect in mouse models with ED_{50} of 1.30 mg/kg. KOR agonist 2 exhibits high clearance rate (2 mg/kg, i.v.) in mice, high metabolism and clearance in liver microsomes ^[1] .
IC ₅₀ & Target	κ Opioid Receptor/KOR 1.9 nM (K_i)

REFERENCES

[1]. Gao Y, et al., Discovery of N'-benzyl-3-chloro-N-((1S,3R,4R)-3-((dimethylamino)methyl)-4-hydroxy-4-(3-methoxyphenyl)cyclohexyl)benzenesulfonamide as a novel selective KOR ligand. *Eur J Med Chem.* 2024 Jul 3;276:116643.

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

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