



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

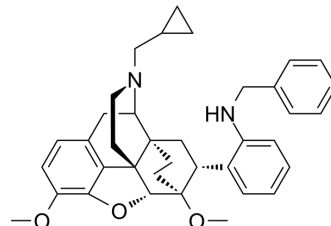
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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## KOR agonist 1

Cat. No.:	HY-161539
Molecular Formula:	C <sub>37</sub> H <sub>42</sub> N <sub>2</sub> O <sub>3</sub>
Molecular Weight:	562.74
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

<b>Description</b>	KOR agonist 1 (Compound 7a) is a selective agonist for opioid receptor, with EC <sub>50</sub> s of 3.4, 701.2 and 1649 nM, for KOR, MOR and DOR, respectively. KOR agonist 1 binds KOR, MOR and DOR, with K <sub>i</sub> s of 3.9, 1053 and 4196 nM, respectively. KOR agonist 1 exhibits antinociceptive effect in ICR mouse model (ED <sub>50</sub> in hot plate test is 0.3 mg/kg, in abdominal constriction test is 0.2 mg/kg) <sup>[1]</sup> .		
<b>IC<sub>50</sub> &amp; Target</b>	κ Opioid Receptor/KOR 3.4 nM (EC50)	μ Opioid Receptor/MOR 701.2 nM (EC50)	δ Opioid Receptor/DOR 1649 nM (EC50)

### REFERENCES

[1]. Li Z, et al., Discovery of an Ortho-Substituted N-Cyclopropylmethyl-7α-phenyl-6,14-endoethano-tetrahydronorthebaine Derivative as a Selective and Potent Kappa Opioid Receptor Agonist with Subsided Sedative Effect. *J Med Chem.* 2024 May 9;67(9):7112-7129.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA