



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

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

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

123B9

Cat. No.:	HY-P10579
CAS No.:	2225868-19-7
Molecular Formula:	C ₅₈ H ₈₂ ClFN ₁₂ O ₂₀
Molecular Weight:	1321.79
Sequence:	{2-(3-chloro-4-fluorophenoxy)acetic acid}-Ser-Ala-Tyr-Pro-Asp-Ser-Val-Pro-{Nle}-{Hsr}-Ser-NH ₂
Sequence Shortening:	{2-(3-chloro-4-fluorophenoxy)acetic acid}-SAYPDSVP-{Nle}-{Hsr}-S-NH ₂
Target:	Ephrin Receptor
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	123B9, a tumor-homing agent, is a potent and selective EphA2 agonist with a K _d value of 4.0 μM. 123B9 selectively targets the EphA2 tyrosine kinase receptor ligand-binding domain. 123B9 does not appreciably inhibit the ligand binding domains of the most closely related EphA3 and EphA4 receptors ^[1] .
IC ₅₀ & Target	Kd: 4.0 μM (EphA2) ^[1]
In Vivo	In mice, the mean plasma concentration over time following 123B9 IV administration (30 mg/kg) indicated that the compound is detectable in vivo at each time point tested (30 min, 1 hr, 2 hr, 4 hr) with a mean concentration in plasma of 447 ng/mL and 569 ng/mL still detectable at 2 hr and 4 hr, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Baining Wu, et al. Design and Characterization of Novel EphA2 Agonists for Targeted Delivery of Chemotherapy to Cancer Cells. Chem Biol. 2015 Jul 23;22(7):876-887.

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