



SZABO SCANDIC

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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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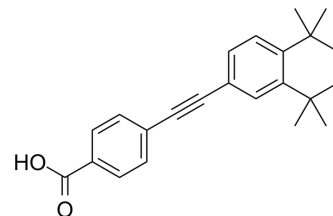
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EC23

Cat. No.:	HY-12309
CAS No.:	104561-41-3
Molecular Formula:	C ₂₃ H ₂₄ O ₂
Molecular Weight:	332.44
Target:	Others
Pathway:	Others
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (376.01 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	3.0081 mL	15.0403 mL	30.0806 mL
		5 mM	0.6016 mL	3.0081 mL	6.0161 mL
		10 mM	0.3008 mL	1.5040 mL	3.0081 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.08 mg/mL (6.26 mM); Suspended solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.08 mg/mL (6.26 mM); Suspended solution; Need ultrasonic				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (6.26 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	EC23 (AGN 190205) is a stable synthetic retinoid analogue and induces neuronal differentiation ^[1] .
In Vitro	EC23 (AGN 190205) induces neural differentiation accompanying by elevated levels of stathmin and profilin-1. EC23 induces the expression of known cellular retinoid binding proteins in the TERA2.cl.SP12 cell line^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Maltman DJ, et al. Proteomic profiling of the stem cell response to retinoic acid and synthetic retinoid analogues: identification of major retinoid-inducible proteins. Mol Biosyst. 2009 May;5(5):458-71.

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

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