



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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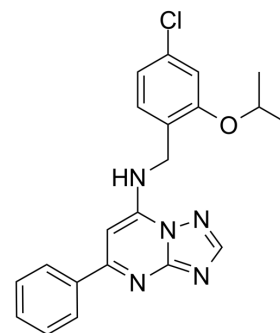
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AF64394

Cat. No.:	HY-12664
CAS No.:	1637300-25-4
Molecular Formula:	C ₂₁ H ₂₀ ClN ₅ O
Molecular Weight:	393.87
Target:	Others
Pathway:	Others
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 125 mg/mL (317.36 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.5389 mL	12.6945 mL	25.3891 mL
	5 mM		0.5078 mL	2.5389 mL	5.0778 mL
	10 mM		0.2539 mL	1.2695 mL	2.5389 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.08 mg/mL (5.28 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (5.28 mM); Clear solution

BIOLOGICAL ACTIVITY

Description	AF64394 is a GPR3 inverse agonist, with a pIC ₅₀ of 7.3.
IC ₅₀ & Target	pIC ₅₀ : 7.3 (GPR3) ^[1] .
In Vitro	AF64394 is a GPR3 inverse agonist, with a pIC₅₀ of 7.3. AF34394 and related compounds are only of modest potency and are relatively lipophilic (e.g., AF34394 clogP=5.2, LLE=2.1, and 14b clog P=3.1 and LLE=3.2) the series shows promising SAR and represents an excellent start point for further optimization^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Jensen T, et al. The identification of GPR3 inverse agonist AF64394; the first small molecule inhibitor of GPR3 receptor function. Bioorg Med Chem Lett. 2014 Nov 15;24(22):5195-8.

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

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