



SZABO SCANDIC

Part of Europa Biosite

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

SZABO-SCANDIC Handels GmbH

Quellenstraße 110, A-1100 Wien

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

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

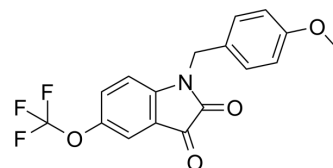
mail@szabo-scandic.com

www.szabo-scandic.com

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

VU 0238429

Cat. No.:	HY-12157
CAS No.:	1160247-92-6
Molecular Formula:	C ₁₇ H ₁₂ F ₃ NO ₄
Molecular Weight:	351.28
Target:	mAChR
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 150 mg/mL (427.01 mM)

* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.8467 mL	14.2337 mL	28.4673 mL
	5 mM		0.5693 mL	2.8467 mL	5.6935 mL
	10 mM		0.2847 mL	1.4234 mL	2.8467 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: ≥ 2.5 mg/mL (7.12 mM); Clear solution

BIOLOGICAL ACTIVITY

Description	VU 0238429 is positive allosteric modulator of muscarinic acetylcholine receptor subtype 5 (mAChR5 or M5), with an EC ₅₀ of 1.16 μM.
IC ₅₀ & Target	EC ₅₀ : 1.16 μM (mAChR5) ^[1] .
In Vitro	VU 0238429 is positive allosteric modulator of mAChR5 (M5), with an EC₅₀ of 1.16 μM, >30-fold selectivity versus M1 and M3, with no M2 or M4 potentiator activity^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Mol Oncol. 2024 Feb;18(2):386-414.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Bridges TM, et al. Discovery of the first highly M5-preferring muscarinic acetylcholine receptor ligand, an M5 positive allosteric modulator derived from a series of 5-trifluoromethoxy N-benzyl isatins.

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