



# 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 HandelsgmbH

Quellenstraße 110, A-1100 Wien

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

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

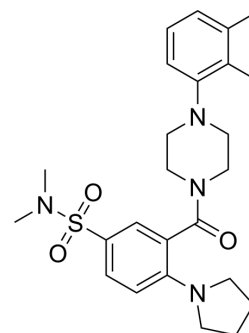
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

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

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

## ML-184

<b>Cat. No.:</b>	HY-116461		
<b>CAS No.:</b>	794572-10-4		
<b>Molecular Formula:</b>	C <sub>25</sub> H <sub>34</sub> N <sub>4</sub> O <sub>3</sub> S		
<b>Molecular Weight:</b>	470.63		
<b>Target:</b>	GPR55		
<b>Pathway:</b>	GPCR/G Protein; Neuronal Signaling		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 12.5 mg/mL (26.56 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.1248 mL	10.6241 mL	21.2481 mL
5 mM	0.4250 mL	2.1248 mL	4.2496 mL
10 mM	0.2125 mL	1.0624 mL	2.1248 mL

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

### BIOLOGICAL ACTIVITY

#### Description

ML-184 (CID2440433) is a selective GPR55 agonist with an EC<sub>50</sub> of 250 nM and exhibits >100-fold selectivity for GPR55 over GPR35, CB1 and CB2. ML-184 induces phosphorylation of ERK1/2 and translocation of PKCβII to the plasma membrane by activating GPR55<sup>[1]</sup>. ML-184(CID2440433) increases proliferation of neural stem cells and promotes neuronal differentiation in vitro<sup>[2]</sup>.

### REFERENCES

- [1]. Kotsikorou E, et al. Identification of the GPR55 agonist binding site using a novel set of high-potency GPR55 selective ligands. *Biochemistry*. 2011 Jun 28;50(25):5633-47.
- [2]. Hill JD, et al. Activation of GPR55 increases neural stem cell proliferation and promotes early adult hippocampal neurogenesis. *Br J Pharmacol*. 2018 Aug;175(16):3407-3421.

---

**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](mailto:tech@MedChemExpress.com)

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