



# 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

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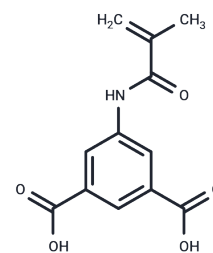
[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

MS 15203

## Chemical Properties

CAS No. : 73912-52-4  
Formula: C<sub>12</sub>H<sub>11</sub>NO<sub>5</sub>  
Molecular Weight: 249.22  
Appearance: no data available  
Storage: keep away from moisture  
Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description                | Potent and selective GPR171 partial agonist (EC <sub>50</sub> = 90 nM; 28% inhibition of forskolin activated adenylyl cyclase activity in rat hypothalamic membranes). Exhibits minimal binding to a panel of ~70 GPCRs and 10 other receptors (<22% of radioligand displaced from the target receptors). Increases neuronal activity in the paraventricular nucleus. Increases food intake and body weight in mice. |
| Targets(IC <sub>50</sub> ) | Others                                                                                                                                                                                                                                                                                                                                                                                                               |

## Solubility Information

|            |                                                                                  |
|------------|----------------------------------------------------------------------------------|
| Solubility | DMSO: Soluble<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|----------------------------------------------------------------------------------|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 4.0125 mL | 20.0626 mL | 40.1252 mL |
| 5 mM  | 0.8025 mL | 4.0125 mL  | 8.025 mL   |
| 10 mM | 0.4013 mL | 2.0063 mL  | 4.0125 mL  |
| 50 mM | 0.0803 mL | 0.4013 mL  | 0.8025 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

## Reference

Wardman et al (2016) Identification of a small-molecule ligand that activates the neuropeptide receptor GPR171 and increases food intake Sci.Signal. 9 PMID:27245612

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