



# SZABO SCANDIC

Part of Europa Biosite

## 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

### SZABO-SCANDIC HandelsgmbH

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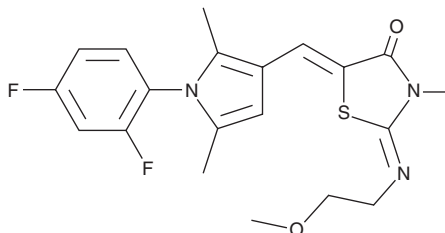
# PRODUCT INFORMATION



## CYM 50308

Item No. 14667

**CAS Registry No.:** 1345858-76-5  
**Formal Name:** (2Z,5Z)-5-[[1-(2,4-difluorophenyl)-2,5-dimethyl-1H-pyrrol-3-yl]methylene]-2-[(2-methoxyethyl)imino]-3-methyl-4-thiazolidinone  
**Synonyms:** CID-49835928, ML-248  
**MF:** C<sub>20</sub>H<sub>21</sub>F<sub>2</sub>N<sub>3</sub>O<sub>2</sub>S  
**FW:** 405.5  
**Purity:** ≥95%  
**UV/Vis.:** λ<sub>max</sub>: 363 nm  
**Supplied as:** A crystalline solid  
**Storage:** -20°C  
**Stability:** ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Laboratory Procedures

CYM 50308 is supplied as a crystalline solid. A stock solution may be made by dissolving the CYM 50308 in the solvent of choice, which should be purged with an inert gas. CYM 50308 is soluble in the organic solvent DMSO at a concentration of approximately 1 mg/ml.

### Description

CYM 50308 is a novel agonist of S1P<sub>4</sub> (EC<sub>50</sub> = 56 nM) that displays 37-fold selectivity against S1P<sub>5</sub> (EC<sub>50</sub> = 2.1 μM) and no appreciable activity over the S1P<sub>1-3</sub> subtypes at concentrations up to 25 μM.<sup>1</sup>

### Reference

1. Urbano, M., Guerrero, M., Velaparthi, S., *et al.* Discovery, synthesis and SAR analysis of novel selective small molecule S1P<sub>4</sub>-R agonists based on a (2Z,5Z)-5-((pyrrol-3-yl)methylene)-3-alkyl-2-(alkylimino)thiazolidin-4-one chemotype. *Bioorg. Med. Chem. Lett.* **21(22)**, 6739-6745 (2011).

#### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

#### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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