



# 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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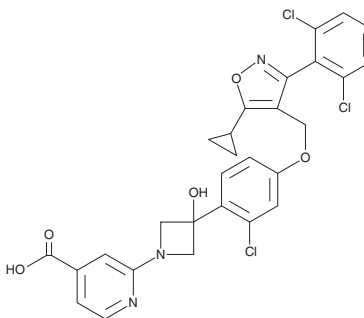
# PRODUCT INFORMATION



## Cilofexor

Item No. 25747

**CAS Registry No.:** 1418274-28-8  
**Formal Name:** 2-[3-[2-chloro-4-[[5-cyclopropyl-3-(2,6-dichlorophenyl)-4-isoxazolyl]methoxy]phenyl]-3-hydroxy-1-azetidiny]-4-pyridinecarboxylic acid  
**MF:** C<sub>28</sub>H<sub>22</sub>Cl<sub>3</sub>N<sub>3</sub>O<sub>5</sub>  
**FW:** 586.9  
**Purity:** ≥98%  
**UV/Vis.:** λ<sub>max</sub>: 205, 345 nm  
**Supplied as:** A crystalline solid  
**Storage:** -20°C  
**Stability:** ≥2 years



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

### Laboratory Procedures

Cilofexor is supplied as a crystalline solid. A stock solution may be made by dissolving the cilofexor in the solvent of choice. Cilofexor is soluble in organic solvents such as DMSO and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of cilofexor in these solvents is approximately 15 and 30 mg/ml, respectively.

Cilofexor is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, cilofexor should first be dissolved in DMF and then diluted with the aqueous buffer of choice. Cilofexor has a solubility of approximately 0.16 mg/ml in a 1:5 solution of DMF:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

### Description

Cilofexor inhibits binding of a synthetic peptide, comprising residues 676-700 of the steroid receptor coactivator 1 (SRC-1), to the farnesoid X receptor (FXR; EC<sub>50</sub> = <25 nM in a FRET activity assay).<sup>1</sup> It has FXR agonist activity in a mammalian one hybrid (M1H) assay (EC<sub>50</sub> = ≥100 nM).

### Reference

1. Kinzel, O., Steeneck, C., and Kremoser, C. FXR (NR1H4) binding and activity modulating compounds. *Gilead Sciences Inc. US9539244B2* (2017).

#### 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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