



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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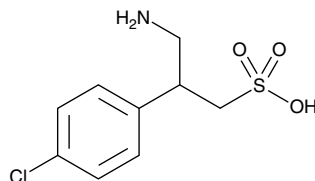
# Product Information



## Saclofen

Item No. 17355

**CAS Registry No.:** 125464-42-8  
**Formal Name:** b-(aminomethyl)-4-chloro-benzeneethanesulfonic acid  
**MF:** C<sub>9</sub>H<sub>12</sub>ClNO<sub>3</sub>S  
**FW:** 249.7  
**Purity:** ≥98%  
**Stability:** ≥2 year at -20°C  
**Supplied as:** A crystalline solid  
**UV/Vis.:** λ<sub>max</sub>: 220 nm



### Laboratory Procedures

For long term storage, we suggest that saclofen be stored as supplied at -20°C. It should be stable for at least two years.

Saclofen is supplied as a crystalline solid. A stock solution may be made by dissolving the saclofen in the solvent of choice. Saclofen is soluble in DMSO at a concentration of approximately 0.3 mg/ml. It is also soluble at approximately 10 mg/ml in 0.1 M NaOH. We do not recommend storing the aqueous solution for more than one day.

Saclofen is a sulfonic analog of the inhibitory neurotransmitter γ-aminobutyric acid (GABA) that acts as a competitive antagonist of the GABA<sub>B</sub> receptor (IC<sub>50</sub> = 7.8 μM).<sup>1</sup> This compound can be used to determine the functional roles for the GABA<sub>B</sub> receptor as a mediator of slow inhibitory postsynaptic potentials in the brain.

### Reference

1. Drew, C.A., Johnston, G.A.R., Kerr, D.I.B., *et al.* Inhibition of baclofen binding to rat cerebellar membranes by phaclofen, saclofen, 3-aminopropylphosphonic acid and related GABA<sub>B</sub> receptor antagonists. *Neurosci. Lett.* **113(1)**, 107-110 (1990).

### Related Products

For a list of related products please visit: [www.caymanchem.com/catalog/17355](http://www.caymanchem.com/catalog/17355)

**WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY: NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

#### SAFETY DATA

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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