



# 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

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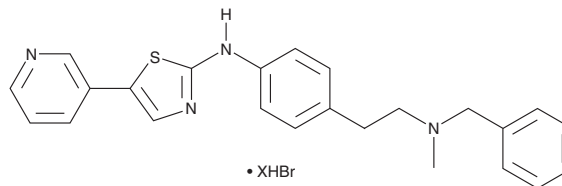
# PRODUCT INFORMATION



## GSK205 (hydrobromide)

Item No. 40923

**Formal Name:** N-[4-[2-[methyl(phenylmethyl)amino]ethyl]phenyl]-5-(3-pyridinyl)-2-thiazolamine, hydrobromide  
**MF:** C<sub>24</sub>H<sub>24</sub>N<sub>4</sub>S • XHBr  
**FW:** 400.5  
**Purity:** ≥98%  
**Supplied as:** A 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

GSK205 (hydrobromide) is supplied as a solid. A stock solution may be made by dissolving the GSK205 (hydrobromide) in the solvent of choice, which should be purged with an inert gas. GSK205 (hydrobromide) is slightly soluble (0.1-1 mg/ml) in DMSO.

### Description

GSK205 is an inhibitor of transient receptor potential vanilloid 4 (TRPV4) and transient receptor potential ankyrin 1 (TRPA1; IC<sub>50</sub>s = 4.19 and 5.56 μM, respectively, for the rat channels).<sup>1</sup> It inhibits calcium influx induced by the TRPV4 agonist GSK101 (GSK1016790A; Item No. 17289) in whole-cell patch-clamp assays using Neuro2a neuroblastoma cells expressing TRPV4 when used at a concentration of 5 μM. GSK205 (10 μM) prevents compression-induced increases in NF-κB transcriptional activity and secreted levels of IL-6 and VEGFA, as well as inhibits compression-induced fractures, abnormal cell morphology, and fissures in the intervertebral space, in primary mouse lumbar spines when used at a concentration of 10 μM.<sup>2</sup>

### References

1. Kanju, P., Chen, Y., Lee, W., *et al.* Small molecule dual-inhibitors of TRPV4 and TRPA1 for attenuation of inflammation and pain. *Sci. Rep.* **6**, 26894 (2016).
2. Easson, G.W.D., Savadipour, A., Anandarajah, A., *et al.* Modulation of TRPV4 protects against degeneration induced by sustained loading and promotes matrix synthesis in the intervertebral disc. *FASEB J.* **37(2)**, e22714 (2023).

#### 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.

#### WARRANTY AND LIMITATION OF REMEDY

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