



# SZABO SCANDIC

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## Produktinformation



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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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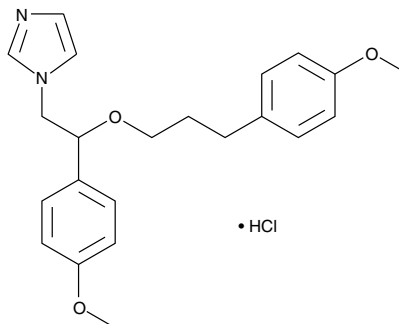
# Product Information



## SKF 96365 (hydrochloride)

Item No. 10009312

**CAS Registry No.:** 130495-35-1  
**Formal Name:** 1-[2-(4-methoxyphenyl)-2-[3-(4-methoxyphenyl)propoxy]ethyl]-1H-imidazole, monohydrochloride  
**MF:** C<sub>22</sub>H<sub>26</sub>N<sub>2</sub>O<sub>3</sub> • HCl  
**FW:** 402.9  
**Purity:** ≥98%  
**Stability:** ≥2 years at -20°C  
**Supplied as:** A crystalline solid  
**UV/Vis.:** λ<sub>max</sub>: 226, 275 nm



### Laboratory Procedures

For long term storage, we suggest that SKF 96365 (hydrochloride) be stored as supplied at -20°C. It should be stable for at least two years.

SKF 96365 (hydrochloride) is supplied as a crystalline solid. A stock solution may be made by dissolving the SKF 96365 (hydrochloride) in an organic solvent purged with an inert gas. SKF 96365 (hydrochloride) is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide. SKF 96365 (hydrochloride) is miscible in these solvents.

SKF 96365 (hydrochloride) is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, SKF 96365 (hydrochloride) should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. SKF 96365 (hydrochloride) has a solubility of approximately 0.5 mg/ml in a 1:1 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

SKF 96365 inhibits the receptor-mediated influx of calcium *via* voltage-gated calcium channels with an IC<sub>50</sub> value of approximately 10 μM.<sup>1</sup> It inhibits the acetylcholine-induced depolarization of circular smooth muscle in a dose-dependent manner at 3-50 μM.<sup>2</sup> SKF 96365 can distinguish receptor-mediated release in platelets and neutrophils from the calcium release from internal stores. However, it does not distinguish between receptor-mediated and voltage-gated release.

### References

1. Merritt, J.E., Armstrong, W.P., Benham, C.D., *et al.* SK&F 96365, a novel inhibitor of receptor-mediated calcium entry. *Biochem J.* **271**, 515-522 (1990).
2. Hotta, A., Kim, Y.C., Kakamura, E., *et al.* Effects of inhibitors of nonselective cation channels on the acetylcholine-induced depolarization of circular smooth muscle from the guinea-pig stomach antrum. *J. Smooth Muscle Res.* **41**(6), 313-327 (2005).

### Related Products

For a list of related products please visit: [www.caymanchem.com/catalog/10009312](http://www.caymanchem.com/catalog/10009312)

**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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