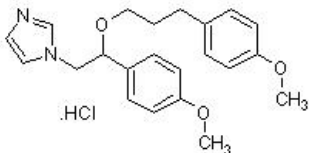


## Product datasheet

### SKF 96365, TRP channel blocker ab120280

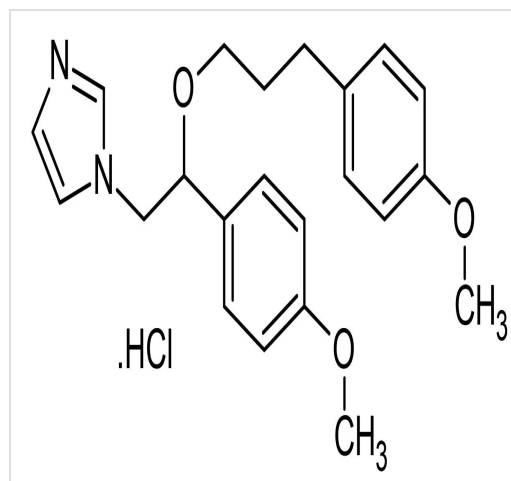
[16 References](#) [2 Images](#)

#### Overview

<b>Product name</b>	SKF 96365, TRP channel blocker
<b>Description</b>	Blocker of TRP cation channels. Inhibits capacitative $\text{Ca}^{2+}$ entry.
<b>Biological description</b>	Blocker of TRP cation channels. Inhibits capacitative $\text{Ca}^{2+}$ entry.
<b>CAS Number</b>	130495-35-1
<b>Chemical structure</b>	

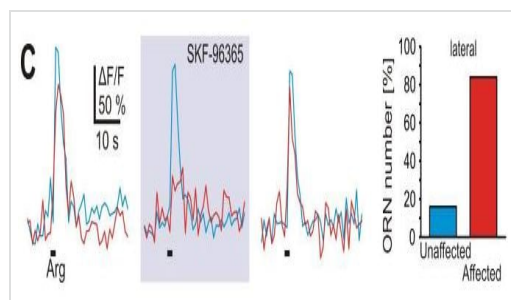
#### Properties

<b>Chemical name</b>	1-[2-[3-(4-Methoxyphenyl)propoxy]-2-(4-methoxyphenyl)ethyl]-1H-imidazole hydrochloride
<b>Molecular weight</b>	402.92
<b>Molecular formula</b>	$\text{C}_{22}\text{H}_{26}\text{N}_2\text{O}_3 \cdot \text{HCl}$
<b>PubChem identifier</b>	104955
<b>Storage instructions</b>	Store at Room Temperature. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in water to 100 mM
<b>Handling</b>	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at <math>-20^\circ\text{C}</math>. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
<b>SMILES</b>	<chem>Cl.COC1ccc(cc1)C(OCCCC2ccc(OC)cc2)Cn3ccnc3</chem>
<b>Source</b>	Synthetic



Chemical Structure - SKF 96365, TRP channel blocker (ab120280)

2D chemical structure image of ab120280, SKF 96365, TRP channel blocker



Functional Studies - SKF 96365, TRP channel blocker (ab120280)

Sansone et al PLoS One. 2014; 9(1): e87721.  
Reproduced under the Creative Commons license  
<http://creativecommons.org/licenses/by/4.0/>

### TRP channel blockers affect most of the L-arginine-induced responses.

L-arginine-induced  $\text{Ca}^{2+}$  responses of two ORNs of another individual slice of the lateral MOE (cyan and red trace). Incubation with SKF-96365 (80  $\mu\text{M}$ ; 10 min; lilac-shaded panel) led to a strong reduction of the  $\text{Ca}^{2+}$  transient in only one of the two ORNs (red trace). The response of the affected ORN recovered after 10 min of washout (right-hand traces). ORNs unaffected and affected by **SKF-96365**, expressed as percentage of total ORNs tested (histogram; 25 cells, 4 slices).

(From Figure 5C of Sansone et al).

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

## Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors
- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team