



# 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

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

# PRODUCT INFORMATION

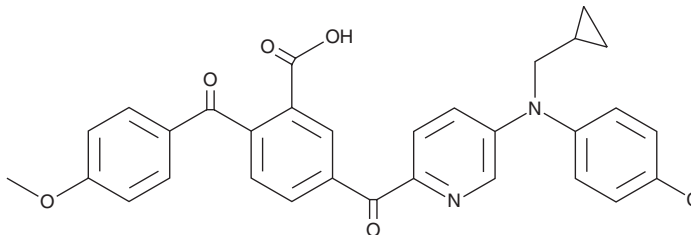


## TK05

Item No. 19793

**CAS Registry No.:** 1245734-61-5  
**Formal Name:** 5-[[5-[(4-chlorophenyl)(cyclopropylmethyl)amino]-2-pyridinyl]carbonyl]-2-(4-methoxybenzoyl)-benzoic acid

**MF:** C<sub>31</sub>H<sub>25</sub>ClN<sub>2</sub>O<sub>5</sub>  
**FW:** 541.0  
**Purity:** ≥95%  
**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.

### Description

TK05 is an inhibitor of leukotriene C<sub>4</sub> (LTC<sub>4</sub>) synthase (IC<sub>50</sub> = 95 nM).<sup>1</sup> It is selective for LTC<sub>4</sub> synthase over microsomal prostaglandin E synthase-1 (mPGES-1), microsomal glutathione S-transferase 2 (GST2), and 5-lipoxygenase (5-LO) at 10 μM. TK05 (1 μM) inhibits LTC<sub>4</sub> synthase in Mono-Mac-6 leukemia cells and isolated human eosinophils, monocytes, and platelets but not cord blood-derived mast cells. *In vivo*, TK05 (0.12 and 6 mg/kg) prevents zymosan A-induced increases in peritoneal fluid levels of LTE<sub>4</sub> and LTB<sub>4</sub> in mice.

### Reference

1. Kleinschmidt, T.K., Haraldsson, M., Basavarajappa, D., *et al.* Tandem benzophenone amino pyridines, potent and selective inhibitors of human leukotriene C<sub>4</sub> synthase. *J. Pharmacol. Exp. Ther.* **355**(1), 108-116 (2015).

#### 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

Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 01/30/2024

#### CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD  
ANN ARBOR, MI 48108 · USA

**PHONE:** [800] 364-9897  
[734] 971-3335

**FAX:** [734] 971-3640

CUSTSERV@CAYMANCHEM.COM  
WWW.CAYMANCHEM.COM