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Produktinformation

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- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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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

www.szabo-scandic.com

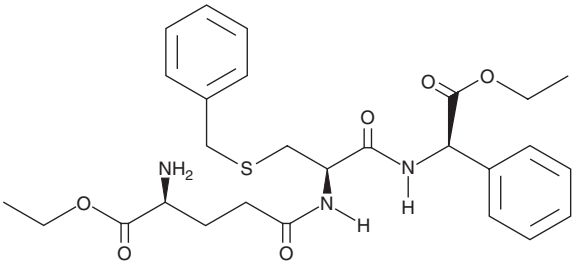
linkedin.com/company/szaboscandic

PRODUCT INFORMATION

Ezatiostat

Item No. 16248

CAS Registry No.: 168682-53-9
Formal Name: (2R)-L-γ-glutamyl-S-(phenylmethyl)-L-cysteinyl-2-phenyl-glycine, 1,3 diethyl ester
Synonyms: Terrapin 199, TLK199
MF: $C_{27}H_{35}N_3O_6S$
FW: 529.7
Purity: ≥98%
Supplied as: A crystalline 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

Ezatiostat is supplied as a crystalline solid. A stock solution may be made by dissolving the ezatiostatin the solvent of choice, which should be purged with an inert gas. Ezatiostat is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide. The solubility of ezatiostat in these solvents is approximately 20 mg/ml.

Ezatiostat is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, ezatiostat should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. Ezatiostat 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.

Description

Ezatiostat is an inhibitor of glutathione S-transferase pi 1-1 (GSTP1-1; K_i = 0.4 µM).[1] It is selective for GSTP1-1 over GSTα and GSTµ family GSTs (K_is = 20-75 µM). Ezatiostat also inhibits the protein-protein interaction between GSTP1-1 and JNK1. *In vivo*, ezatiostat (75 mg/kg) increases the number of circulating white blood cells in *Gstp1* wild-type, but not *Gstp1*$^{-/-}$, mice.

Reference

1. Yount, J.S., Zhang, M.M., and Hang, H.C. Visualization and identification of fatty acylated proteins using chemical reporters. *Curr. Protoc. Chem. Biol.* **3(2)**, 65-79 (2011).

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