

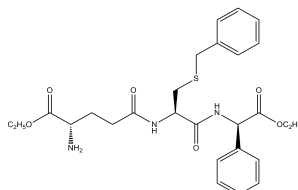
Product: Ezatiostat

ALTERNATE NAME: (S)-Ethyl 2-amino-5-(((R)-3-(benzylthio)-1-(((S)-2-ethoxy-2-oxo-1-phenylethyl)amino)-1-oxopropan-2-yl)amino)-5-oxopentanoate; TLK199; TLK-199; TLK 199

CATALOG #: 2608-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₇H₃₅N₃O₆S

MOLECULAR WEIGHT: 529.65

CAS No. 168682-53-9

APPEARANCE: White solid

SOLUBILITY: DMSO

PURITY: >98% by HPLC

STORAGE: Store at -20°C. Protect from air and light

DESCRIPTION: Ezatiostat is a liposomal small-molecule glutathione analog inhibitor of glutathione S-transferase (GST) P1-1 with hematopoiesis-stimulating activity. After intracellular de-esterification, the active form of ezatiostat binds to and inhibits GST P1-1, thereby restoring Jun kinase and MAPK pathway activities and promoting MAPK-mediated cellular proliferation and differentiation pathways. Ezatiostat promotes the proliferation and maturation of hematopoietic precursor cells, granulocytes, monocytes, erythrocytes and platelets.

REFERENCES: Raza, A., *et al.* (2009). *Blood* **113**, 6533-6540.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

GST Inhibitor-1 (Cibacron Blue 3G-a, Sodium Salt) (Cat. No. 1555R-1000)

GST Inhibitor-2 (Ethacrynic acid) (Cat. No. 1556-1000)

GST Colorimetric Activity Assay Kit (Cat. No. K263-100)

GST Fluorometric Activity Assay Kit (Cat. No. K260-100)

Active GST protein (Cat. No. 1243-1)

FOR RESEARCH USE ONLY! Not to be used in humans.