JTE-607

ALTERNATE NAMES: ethyl (2S)-2-[[3,5-dichloro-2-hydroxy-4-[2-(4-methylpiperazin-1-yl)ethoxy]benzoyl]amino]-3-phenylpropanoate; dihydrochloride; L-Phenylalanine, N-(3,5-dichloro-2-hydroxy-4-(2-(4-methyl-1-piperazinyl)ethoxy)benzoyl)-, ethyl ester, dihydrochloride

CATALOG #: B3064-5 5 mg
B3064-25 25 mg

STRUCTURE:

![Structure of JTE-607]

MOLECULAR FORMULA: C₂₅H₃₃Cl₄N₃O₅

MOLECULAR WEIGHT: 597.36

CAS NUMBER: 188791-09-5

APPEARANCE: Off White solid

PURITY: ≥98%

SOLUBILITY: ~25 mg/ml in DMSO

DESCRIPTION: JTE-607 is a multiple cytokine inhibitor. It inhibits cytokine production specifically in human peripheral blood mononuclear cells without causing immunosuppression. It inhibits tumor necrosis factor-α (TNF-α), interleukins IL-1β, IL-6, IL-8 and IL-10 from LPS-stimulated human PBMCs with IC₅₀ values of 11 nM, 5.9 nM, 8.8 nM, 7.3 nM and 9.1 nM, respectively. It (0.4-0.8 μM) also inhibits the growth of acute myelogenous leukemia cell lines by inducing apoptosis and cell-cycle arrest.

STORAGE TEMPERATURE: -20°C. Protect from air. Store under desiccating conditions.

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

REFERENCES:

RELATED PRODUCTS:
R-7050 (Cat. No. B3063)
C87 (Cat. No. B3062)
Demethoxycurcumin (Cat. No. B2945)
Gabexate mesylate (Cat. No. B3058)
(±)-Thalidomide (Cat. No. 2020)

DISCLAIMER: FOR RESEARCH USE ONLY! Not to be used on humans.