

JAK3 Inhibitor VI

Cat. No. CEI-1067

Lot. No. (See product label)

Introduction

Description

A cell-permeable 3'-pyridyl oxindole compound that acts as a potent and reversible inhibitor of JAK3 (IC₅₀ = 27 nM) and displays ~16-fold greater selectivity over JAK2. Binds to the enzyme active site and prevents IL-2-induced cellular phosphorylation of JAK3 and STAT5. Inhibits IL-2-induced cell proliferation (IC₅₀ = 760 and 250 nM for mouse CTLL and human T-cells, respectively) and alleviates oxazolone-induced ear edema in mouse with an efficacy comparable to that of Dexamethasone (Cat. No. 265005).

Synonyms

JAK-3, JAK3_HUMAN, JAKL, L-JAK, LJAK

Product Information

CAS No.

856436-16-3

Molecular Formula

C₁₈H₁₃N₃O • MeSO₃H

Molecular Weight

383.4

Purity

>98% by HPLC

Targets

JAK-3, mouse CTLL, human T-cells

IC₅₀

27 nM, 760 nM, 250 nM

Solubility

DMSO or H₂O

Storage and Shipping Information

Storage

+2 centigrade to +8 centigrade