Creative Enzymes®

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 odema 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