Creative Enzymes®

JAK3 Inhibitor IV

Cat. No. CEI-1064

Lot. No. (See product label)

Introduction

Description	A (β-aminoethyl)ketone that acts as a potent and selective ATP-competitive inhibitor of Janus tyrosine kinase-3 (JAK3; pIC50 = 7.1). A weak inhibitor of other tyrosine kinases (pIC50 = 5.6 for EGF-R; 4.4 for JAK1). It undergoes a retro-Michael breakdown (t1/2 = 36 min at 25centigrade, pH 7.43) to another active 2-naphthylvinyl ketone analog (JAK Inhibitor V; Cat. No. 420122) [pIC50 = 6.8 for JAK3; 5.0 for EGF-R; 4.7 for JAK1].
Synonyms	JAK-3, JAK3_HUMAN, JAKL, L-JAK, LJAK

Product Information

CAS No.	58753-54-1
Molecular Formula	C23H25NO · HCl
Chemical Name	2-Naphthyl-(N-isopropyl,N-benzyl)-β-aminoethylketone, HCl, ZM 39923
Molecular Weight	367.9
Purity	>99% by HPLC
Targets	JAK-3, JAK-1, EGF-R
Solubility	DMSO

Storage and Shipping Information

Storage	-20 centigrade