Creative Enzymes®

Merck 5

Cat. No. CEI-1097

Lot. No. (See product label)

Introduction

Description	Merck 5 is a potent and reversible ATP-competitive inhibitor of the JAK kinases Jak1, Jak2, Jak3, and Tyk2. It also blocks IL2 and IL4 dependent proliferation of CTLL cells and inhibits the phosphorylation of STAT5.

Product Information

CAS No.	457081-03-7
Molecular Formula	C18H16FN3O
Chemical Name	6-dihydro-7H-Benz[h]imidazo[4,5-f]isoquinolin-7-one, 2-(1,1-dimethylethyl)-9-fluoro-1
Molecular Weight	309.34
Purity	> 95%
Targets	Jaks
Solubility	DMSO > 112mg/mL Water >1mg/mL Ethanol > 4mg/mL

Storage and Shipping Information

Storage	4 centigrade
Stability	2 years -20 centigrade Powder 1 month -4 centigrade in DMSO More than one month -80 centigrade in DMSO