

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