

## 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** C<sub>18</sub>H<sub>16</sub>FN<sub>3</sub>O

**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