

Tofacitinib (CP-690550, Tasocitinib)

Cat. No. CEI-1070

Lot. No. (See product label)

Introduction

Description

Tofacitinib is a novel inhibitor of JAK3 with IC50 of 1 nM, 20- to 100-fold less potent versus JAK2 and JAK1. Phase 3.

Synonyms

JAK-3, JAK3_HUMAN, JAKL, L-JAK, LJAK

Product Information

CAS No.

477600-75-2

Molecular Formula

C16H20N6O

Chemical Name

3-((3R,4R)-4-methyl-3-(methyl(7H-pyrrolo[2,3-d]pyrimidin-4-yl)amino)piperidin-1-yl)-3-oxopropanenitrile

Molecular Weight

312.37

Purity

99.66%

Targets

JAK3

IC50

1 nM

Solubility

DMSO 63 mg/mL Water <1 mg/mL Ethanol <1 mg/mL

Storage and Shipping Information

Storage

2 years -20 centigrade Powder 2 weeks 4centigrade in DMSO 6 months-80centigrade in DMSO