

Tandutinib (MLN518)

Cat. No. CEI-0894

Lot. No. (See product label)

Introduction

Description Tandutinib (MLN518, CT53518) is a potent FLT3 antagonist with IC₅₀ of 0.22 μ M, also inhibits PDGFR and c-Kit, 15-to-20-fold higher potency for FLT3 versus CSF-1R and >100-fold selectivity for the same target versus FGFR, EGFR and KDR. Phase 1/2.

Synonyms CT53518

Product Information

CAS No. 387867-13-2

Molecular Formula C₃₁H₄₂N₆O₄

Chemical Name N-(4-isopropoxyphenyl)-4-(6-methoxy-7-(3-(piperidin-1-yl)propoxy)quinazolin-4-yl)piperazine-1-carboxamide

Molecular Weight 562.7

Targets FLT3, PDGFR β , c-Kit

IC₅₀ 0.22 μ M; 0.20 μ M; 0.17 μ M

Solubility DMSO 5 mg/mL; Water <1 mg/mL; Ethanol 19 mg/mL

Storage and Shipping Information

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