Creative Enzymes®

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 μM, 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, PDGFRβ, c-Kit
IC50	0.22 μM; 0.20 μM; 0.17 μM
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.