

Product Name	: PPI-2458
Synonyms	: PPI2458
Cat No.	: M14461
CAS Number	: 431077-35-9
Molecular Formula	: C ₂₂ H ₃₆ N ₂ O ₆
Formula Weight	: 424.53
Chemical Name	: (3R,4S,5S,6R)-5-methoxy-4-((2R,3R)-2-methyl-3-(3-methylbut-2-en-1-yl)oxiran-2-yl)-1-oxaspiro[2.5]octan-6-yl ((R)-1-amino-3-methyl-1-oxobutan-2-yl)carbamate
Description	PPI-2458 is potent, specific, irreversible methionine aminopeptidase-2 (MetAP-2) inhibitor with IC₅₀ of 0.2 nM, inhibits growth inhibition of HFLS-RA and HUVEC with IC₅₀ of 0.04 nM; significantly attenuates paw swelling when therapeutically administered after the onset of chronic disease in rat model of peptidoglycan-polysaccharide-induced arthritis; exhibits potent antiproliferative activity on NHL lines in vitro (GI₅₀=0.2-1.9 nM) and oral antitumor activity in vivo. Blood Cancer Discontinued
Pathway	: Metabolic Enzyme/Protease
Target	: Aminopeptidase
Receptor	: Aminopeptidase
Solubility	: —
SMILES	: <chem>O=C(O[C@H](CC1)[C@@H](OC)[C@H]([C@@]2(C)O[C@@H]2C/C=C(C)C)[C@]31CO3)N[C@H](C(C)C)C(N)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Bernier SG, et al. Proc Natl Acad Sci U S A. 2004 Jul 20;101(29):10768-73. | 2. Hannig G, et al. Int J Oncol. 2006 Apr;28(4):955-63. | 3. Cooper AC, et al. Clin Cancer Res. 2006 Apr 15;12(8):2583-90. | 4. Hannig G, et al. Arthritis Rheum. 2007 Mar;56(3):850-60.