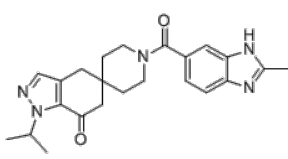


Product Name	: PF-05175157
Synonyms	: PF05175157;PF-5175157
Cat No.	: M11210
CAS Number	: 1301214-47-0
Molecular Formula	: C ₂₃ H ₂₇ N ₅ O ₂
Formula Weight	: 405.49
Chemical Name	: 1,4-Dihydro-1'-[(2-methyl-1H-benzimidazol-6-yl)carbonyl]-1-(1-methylethyl)spiro[5H-indazole-5,4'-piperidin]-7(6H)-one
Description	 PF-05175157 (PF-5175157) is a potent Acetyl-CoA carboxylase (ACC) inhibitor with IC₅₀ of 27 and 33 nM for hAAC1 and hACC2, respectively; shows concentration-dependent reductions in both skeletal muscle and liver malonyl-CoA with EC₅₀ of 870 and 540 nM after 1 h following an acute oral dose in rats; demonstrates significant potential for the treatment of type 2 diabetes mellitus (T2DM). Diabetes Phase 2 Discontinued
Pathway	: Metabolic Enzyme/Protease
Target	: ACC
Receptor	: ACC
Solubility	: DMSO : 30 mg/mL. 73.98 mM
SMILES	: <chem>O=C1CC2(CCN(C(C3=CC=C4N=C(C)NC4=C3)O)CC2)CC5=C1N(C(C)C)N=C5</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Griffith DA, et al. J Med Chem. 2014 Dec 26;57(24):10512-26.