

Product Name	: Longdaysin
Synonyms	: —
Cat No.	: M20113
CAS Number	: 1353867-91-0
Molecular Formula	: C ₁₆ H ₁₆ F ₃ N ₅
Formula Weight	: 335.33
Chemical Name	: 9-Isopropyl-N-(3-(trifluoromethyl)benzyl)-9H-purin-6-amine
Description	: Longdaysin is an inhibitor of CK1 α and CK1 δ (IC ₅₀ s: 5.6/8.8 μ M). It also can inhibit ERK2 (IC ₅₀ : 52 μ M).
Pathway	: Metabolic Enzyme/Protease
Target	: Casein Kinase
Receptor	: CK1 α ; CK1 δ ; CDK7; ERK2
Solubility	: DMSO: 100 mg/mL (298.21 mM); Water: Insoluble
SMILES	: <chem>CC(C)n1cnc2c(NCc3cccc(c3)C(F)(F)F)ncnc12</chem>
Storage	: (-20°C)
Stability	: $\geq$ 2 years
Reference	:

1.Hirota T et al. High-throughput chemical screen identifies a novel potent modulator of cellular circadian rhythms and reveals CK1 α as a clock regulatory kinase. PLoS Biol. 2010 Dec 14;8(12):e1000559.