

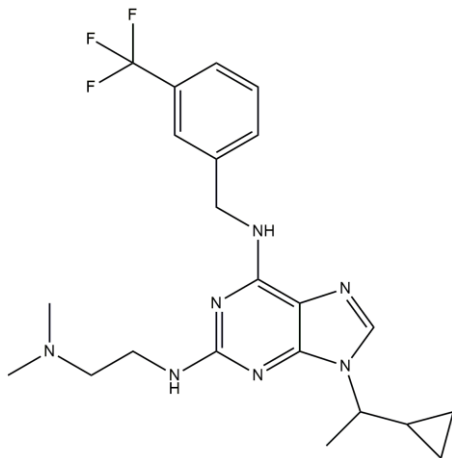
NCC007

05/21

ALTERNATE NAMES: 9-(1-cyclopropylethyl)-2-N-[2-(dimethylamino)ethyl]-6-N-[[3-(trifluoromethyl)phenyl]methyl]purine-2,6-diamine

CATALOG #: B3139-5 5 mg
B3139-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₂H₂₈F₃N₇

MOLECULAR WEIGHT: 447.5

CAS NUMBER: 2342583-66-6

APPEARANCE: White to off-white solid

PURITY: ≥ 98%

SOLUBILITY: ~115 mg/ml in DMSO (may need ultrasonication)

DESCRIPTION: NCC007 is an inhibitor of casein kinase I (CKI) and a modulator of circadian rhythm. It inhibits CKI α and CKI δ with an IC₅₀ of 1.8 and 3.6 μ M. It shows stronger period effects (0.32 μ M for 5 h period lengthening) in a cell-based circadian assay.

STORAGE TEMPERATURE: -20 °C. Store in the dark. Product is light sensitive. Protect from air. Store under desiccating conditions. Keep the product sealed.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

REFERENCES: Lee, J.W., Hirota, T., Ono, D., et al. Chemical Control of Mammalian Circadian Behavior through Dual Inhibition of Casein Kinase I α and δ . J Med Chem 28;62(4):1989-1998 (2019).

RELATED PRODUCTS:

KL001 (Cat. No. B2449)
 Melatonin (Cat. No. B2488)
 Longdaysin (Cat. No. B3136)
 Tasimelteon (Cat. No. B2985)
 F-670462 (Cat. No. B2771)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*