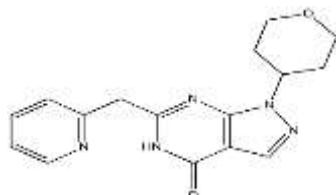


BI-409306

ALTERNATE NAME: 6-(pyridin-2-ylmethyl)-1-(tetrahydro-2H-pyran-4-yl)-1,5-dihydro-4H-pyrazolo[3,4-d]pyrimidin-4-one
BI409306
SUB 166499

CATALOG #: B2377-5 5 mg
B2377-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₆ H₁₇ N₅ O₂

MOLECULAR WEIGHT: 311.35

CAS NUMBER: 1189767-28-9

APPEARANCE: Crystalline solid

PURITY: ≥98% by HPLC

SOLUBILITY: >50 mg/ml DMSO

DESCRIPTION: BI-409306 is a potent and selective PDE9A inhibitor (IC₅₀ = 52 nM). Displays weak activity against other PDEs, such as PDE1A (IC₅₀, 1.4 μM), PDE1C (IC₅₀, 1.0 μM), PDE2A, PDE3A, PDE4B, PDE5A, PDE6AB, PDE7A, and PDE10A (IC₅₀ > 10 μM). Potentially could be useful for the treatment of Alzheimer's disease and Schizophrenia.

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

RELATED PRODUCTS:

Apremilast (2352)
Cilostamide (2560)
Cilomilast (B2182)
Zaprinast (1715)
Roflumilast (2675)
(R,S)-Rolipram (2010)

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