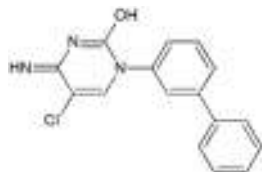


Bobcat339 (free base)

ALTERNATE NAME: 1-([1,1'-biphenyl]-3-yl)-4-amino-5-chloropyrimidin-2(1H)-one
Bobcat-339

CATALOG #: B3249-5 5 mg
B3249-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₆H₁₂ClN₃O

MOLECULAR WEIGHT: 297.74

CAS NUMBER: 2280037-51-4

APPEARANCE: White to off-white solid

PURITY: ≥98%

SOLUBILITY: ~1 mg/ml DMSO

DESCRIPTION: Bobcat339 is a potent cytosine-based TET (ten-eleven translocation methylcytosine dioxygenase) enzyme inhibitor with IC₅₀ of 33 μM (TET1) and 73 μM (TET2). Bobcat339 does not inhibit the DNA methyltransferase, DNMT3a. Bobcat339 can reduce DNA 5-hydroxymethylcytosine abundance by inhibiting TET enzyme function in living cells and provide support for its utility as a viable pharmacological probe.

STORAGE TEMPERATURE: -20°C. Protect from light

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

RELATED PRODUCTS:

5-hmC polyclonal antibody (rabbit) (6830)
Anti-5-Methylcytosine Antibody (33D3) (A1294)
5-Methylcytosine hydrochloride (2305)

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