

Product Name : PJ-68

Synonyms : PJ68

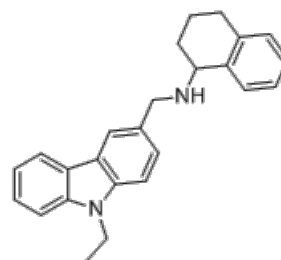
Cat No. : M14202

CAS Number : 352544-59-3

Molecular Formula : C₂₅H₂₆N₂

Formula Weight : 354.50

Chemical Name : N-((9-ethyl-9H-carbazol-3-yl)methyl)-1,2,3,4-tetrahydronaphthalen-1-amine



Description : PJ-68 is a potent, selective inhibitor of arginine methyltransferase PRMT5 with IC₅₀ of 517 nM, shows no inhibitory activity against type I PRMT family members (PRMT1, 3, 4, 6, and 8); markedly decreases BCR-ABL mRNA levels in both CD34⁺CD38⁻ cells and CD34⁺CD38⁺ cells, reduces survival and self-renewal capacity of CML CD34⁺ cells, increases p15INK4B and p27KIP1 but not p16INK4A and p57KIP2 expression; reduces growth of CML LSCs and prolongs survival of CML mice.

Pathway : Chromatin/Epigenetic

Target : HMTase

Receptor : HMTase

Solubility : —

SMILES : —

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Jin Y, et al. J Clin Invest. 2016 Oct 3;126(10):3961-3980. | 2. Kaushik S, et al. Leukemia. 2018 Feb;32(2):499-509.