

Product Name : 103D5R

Synonyms : —

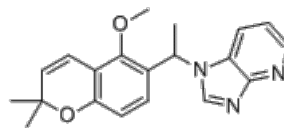
Cat No. : M15924

CAS Number : 773852-25-8

Molecular Formula : C₂₀H₂₁N₃O₂

Formula Weight : 335.41

Chemical Name : 1-[1-(5-Methoxy-2,2-dimethyl-2H-chromen-6-yl)ethyl]-1H-imidazo[4,5-b]pyridine



Description : 103D5R is a small-molecule inhibitor of HIF-1 α that displays an EC₅₀ of 35 μ M against hypoxia-induced alkaline phosphatase enzymatic reporter activity; shows cell proliferation under normoxia in LN229 cell with IC₅₀ of 26 μ M, markedly decreases HIF-1 α protein synthesis induced by hypoxia or cobaltous ions in a dose- and time-dependent manner; inhibits phosphorylation of Akt, SAPK/JNK and Erk1/2, prevents the activation of HIF-1 target genes under hypoxia such as VEGF and Glut-1.

Pathway : Angiogenesis

Target : HIF/HIF Prolyl-hydroxylase

Receptor : HIF/HIF Prolyl-hydroxylase

Solubility : —

SMILES : —

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Tan C, et al. Cancer Res. 2005 Jan 15;65(2):605-12. 2. Belozero V E, et al. Anticancer Drugs. 2005 Oct;16(9):901-9.