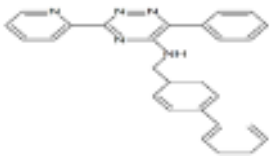
ML-228

ALTERNATE NAME: CID-46742353
6-phenyl-N-[(4-phenylphenyl)methyl]-3-pyridin-2-yl-1,2,4-triazin-5-amine

CATALOG #: B2633-1 1 mg
B2633-5 5 mg

STRUCTURE:



MOLECULAR FORMULA: $C_{27}H_{21}N_5$

MOLECULAR WEIGHT: 415.49

CAS NUMBER: 1357171-62-0

APPEARANCE: Brown solid

PURITY: ≥98% by HPLC

SOLUBILITY: >40 mg/ml DMSO

DESCRIPTION: ML-228 is an activator of the Hypoxia Inducible Factor (HIF) signaling pathway, as demonstrated by HIF response element (HRE) reporter assay (EC50 = 1.2 μM), HIF-1α nuclear translocation assay (EC50 = 1.3 μM), and increased VEGF expression (EC50 = 1.6 μM). Its activity in the HRE assay is blocked by excess iron, suggesting that ML-228 can chelate iron. ML-228 also significantly inhibits ligand binding to several channels, receptors, and transporters, including ERG potassium channel, 5-HT2B and A3 adenosine receptors, and dopamine transporter.

STORAGE TEMPERATURE: -20ºC. 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:

Anti-HIF-1-alpha, Rabbit Monoclonal Antibody (A1128)
BAY 87-2243 (B1878)
KC7F2 (9641)
JNJ-42041935 (B1072)

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