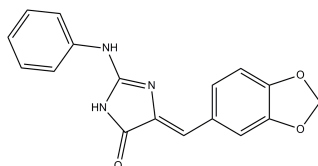


Product: Leucettine L41**RELATED PRODUCTS:**
Harmine (Cat. No. 2561-50, 250)**ALTERNATE NAME:** (5Z)-5-(1,3-Benzodioxol-5-yl)methylene-2-phenylamino-3,5-dihydro-4H-imidazol-4-one**CATALOG #:** 2617-1,5**AMOUNT:** 1 mg, 5 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₇H₁₃N₃O₃**MOLECULAR WEIGHT:** 307.30**CAS No.** 1112978-84-3**APPEARANCE:** Beige solid**SOLUBILITY:** DMSO or EtOH**PURITY:** >98% by NMR**STORAGE:** Store at -20°C. Protect from air and light**DESCRIPTION:** A potent inhibitor of DYRKs and CLKs. Interacts also with GSK-3 α/β , CK2 and PIM1. Interacts with the complex IKfyve/Vac14/Fig4. Modulates alternative splicing of pre-mRNA in various cellular systems. Neuroprotective against APP-induced cell death. Useful to study and modulate pre-mRNA splicing. Potential compound for Alzheimer's disease and diseases involving abnormal pre-mRNA splicing. Potential compound to study Down syndrome (inhibition of DYRK1A). Neuroprotective against glutamate-induced cell death.**REFERENCES:** Debdab, M., *et al.* (2011). *J. Med. Chem.* **54**, 4172-4186.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**FOR RESEARCH USE ONLY! Not to be used in humans.**