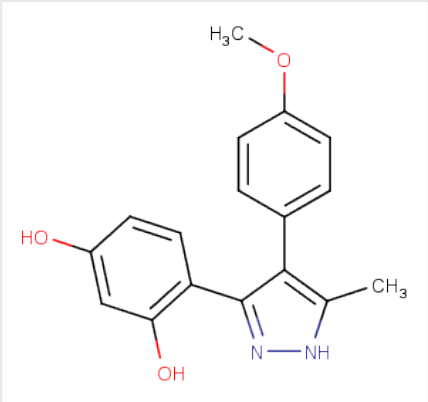
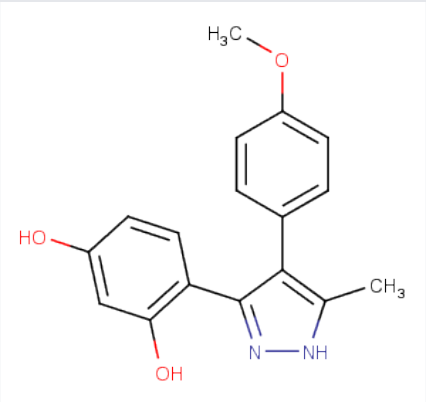
M77976 Inhibitor

PRODUCT OVERVIEW

Product Name	M77976, Inhibitor
Full Product Name	M77976
Product Gene Name	M77976, inhibitor
Purity/Purification	98%
Preparation and Storage	Powder: -2 degree C for 3 years In solvent: -80 degree C for 2 years
Molecular Weight	296.326
SMILES	COc1ccc(cc1)-c1c(C)[nH]nc1-c1ccc(O)cc1O
Formula	C17H16N2O3
CAS Number	394237-61-7
Target	GluR PDK4: 648uM
Solubility	(<1mg/mL refers to the product slightly soluble or insoluble)
In_vitro	M77976 makes hydrophobic interactions with the side chains of Asn258, Ala262, Val298, Leu306, and Thr358 of PDK4. M77976 binds to the ATP-binding pocket of PDK4 and induces local conformational changes with complete disordering of the ATP lid.
Product Categories/Family for M77976, inhibitor	Neuroscience
Related Product Information for M77976, inhibitor	M77976 is the potential for the research of obesity and diabetes. M77976 is a specific ATP-competitive inhibitor of PDK4 (pyruvate dehydrogenase kinase isoforms 4)(IC50: 648uM).
Product References and Citations for M77976, inhibitor	1 Kukimoto-Niin M e al Inhibitor-boun structure o PUMA pyruvat dehydrogenas kinas 4 Act Crystallog Bio Crystallogr 201 Sep 7(P 9):763-73.
Other Notes	Small volumes of M77976, inhibitor vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for M77976 purchase	MBS5769425 is an inhibitor targeting M77976.



Structure of M77976, inhibitor
M77976, CAS 394237-61-7



Structure of M77976, inhibitor
M77976, CAS 394237-61-7

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/inhibitor/m77976/5769425