



Certificate of Analysis

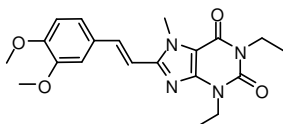
Axon Catalogue ID: 1423 **Batch Number:** 2

Product Name: Istradefylline

Alternative Name(s): KW6002

IUPAC Name: (E)-8-(3,4-Dimethoxystyryl)-1,3-diethyl-7-methyl-1H-purine-2,6(3H,7H)-dione

Structure:



Amount:

CAS number(s): 155270-99-8

Molecular Formula: C₂₀H₂₄N₄O₄ **Molecular Weight:** 384.43

Batch Molecular Formula: C₂₀H₂₄N₄O₄ **Batch Molecular Weight:** 384.43

Appearance: Pale-yellow solid **Observed mp:** 191.7 - 193.5 °C

TLC (R_f): 0.45 DCM/MeOH (19:1)

Chemical Purity: 99.6%

Optical Purity (ee): N.A.

¹H-NMR (300 MHz): Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 62.49, H 6.29, N 14.57; Found: C 62.34, H 6.25, N 14.51

Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	14.0	36.4	
	EtOH			Not Tested

Remarks:

QC Date: 27-5-2019

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only