

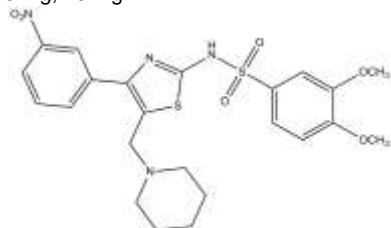
JM6

ALTERNATE NAME: 2-(3,4-Dimethoxybenzenesulfonylamino)-4-(3-Nitrophenyl)-5-(Piperidin-1-yl)methylthiazole

CATALOG #: 1913-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₃H₂₆N₄O₆S₂

MOLECULAR WEIGHT: 518.61

APPEARANCE: Off-white solid

SOLUBILITY: DMSO

PURITY: ≥98% by HPLC

STORAGE: Store at -20°C

DESCRIPTION: Cell-permeable. A slow-release prodrug version of Ro 61-8048 (Cat. No. 1912-5, 25), an inhibitor of KMO (kynurenine 3-monooxygenase), the enzyme that controls the kynurenine pathway, long believed to be implicated in neurodegeneration. JM6 reverses and prevents symptoms of neurodegenerative diseases like Alzheimer's and Huntington's in animal models. JM6 does not penetrate into the brain, but works by inhibiting KMO in the blood.

REFERENCE: Zwilling, D., *et al.* (2011). *Cell* **145**, 863-874.

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 on humans.

RELATED PRODUCTS:

- Ro 61-8048 (Cat. No. 1912-5, 25)