

Product Name: TC SL C5

Catalog No.: 6884

Batch No.: 1

CAS Number: 827327-28-6

IUPAC Name: 5-(4-Methoxyphenyl)-N-[(3-methoxyphenyl)methyl]-1-methyl-1*H*-Imidazol-2-amine

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₉H₂₁N₃O₂·½H₂O

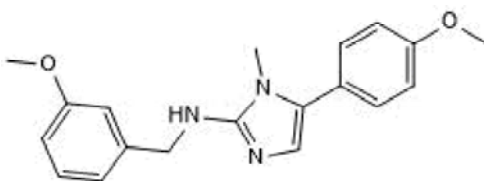
Batch Molecular Weight: 332.41

Physical Appearance: Off White solid

Solubility: DMSO to 100 mM
ethanol to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.7% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	68.65	6.67	12.64
Found	68.72	6.69	12.58

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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IUPAC Name: 5-(4-Methoxyphenyl)-N-[(3-methoxyphenyl)methyl]-1-methyl-1H-Imidazol-2-amine

Description:

Metastasis-associated lung adenocarcinoma transcript 1 (Malat1) RNA inhibitor ($K_D = 2.9 \mu\text{M}$). Binds Malat1 3' terminal stability element for nuclear expression (ENE) triplex. Reduces Malat1 RNA levels by 54% and branching morphogenesis by 38% in mammary tumor organoids. Modulates Malat1 downstream genes without affecting Neat1.

Physical and Chemical Properties:

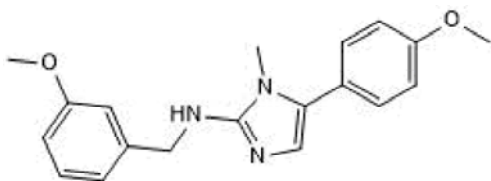
Batch Molecular Formula: $\text{C}_{19}\text{H}_{21}\text{N}_3\text{O}_2 \cdot \frac{1}{2}\text{H}_2\text{O}$

Batch Molecular Weight: 332.41

Physical Appearance: Off White solid

Minimum Purity: >98%

Batch Molecular Structure:



References:

Abulwerdi et al (2019) Selective small-molecule targeting of a triple helix encoded by the long noncoding RNA, *MALAT1*. *ACS Chem.Biol.* **14** 223. PMID: 30620551.

Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM
ethanol to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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