

Certificate of Analysis

Product Name: Gue 1654

Catalog No.: 4742

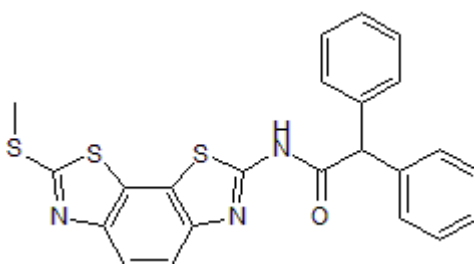
Batch No.: 1

CAS Number: 397290-30-1

IUPAC Name: *N*-[7-(Methylthio)benzo[1,2-*d*:4,3-*d'*]bisthiazol-2-yl]- α -phenylbenzeneacetamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₃H₁₇N₃OS₃
Batch Molecular Weight: 447.6
Physical Appearance: White solid
Solubility: DMSO to 50 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 97.4% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	61.72	3.82	9.39
Found	61.5	3.84	9.58

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

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Description:

Oxoeicosanoid receptor 1 (OXE-R) modulator. Selectively inhibits G $\beta\gamma$ but not G α_i signaling upon activation of the G α_i - $\beta\gamma$ heterotrimer by OXE-R. Inhibits G $\beta\gamma$ -mediated opening of GIRK1/2 channels in HEK293 cells.

Physical and Chemical Properties:

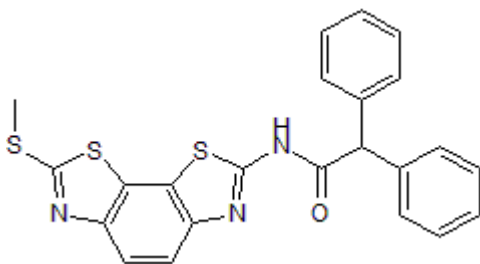
Batch Molecular Formula: C₂₃H₁₇N₃OS₃

Batch Molecular Weight: 447.6

Physical Appearance: White solid

Minimum Purity: >97%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 50 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.

References:

Blättermann et al (2012) A biased ligand for OXE-R uncouples G α and G $\beta\gamma$ signaling within a heterotrimer *Nat.Chem.Biol.* **8** 631. PMID: 22634634.

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