

Product Name: SGC 6870N

Catalog No.: 7184

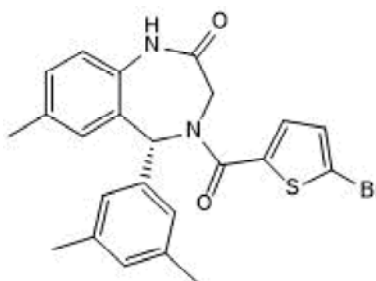
Batch No.: 1

CAS Number: 2561471-15-4

IUPAC Name: (S)-4-(5-Bromothiophene-2-carbonyl)-5-(3,5-dimethylphenyl)-7-methyl-1,3,4,5-tetrahydro-2H-benzo[e][1,4]diazepin-2-one

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₂₃ H ₂₁ BrN ₂ O ₂ S
Batch Molecular Weight:	469.4
Physical Appearance:	White solid
Solubility:	DMSO to 100 mM ethanol to 100 mM
Storage:	Store at -20°C
Batch Molecular Structure:	



2. ANALYTICAL DATA

HPLC:	Shows 100% purity
Chiral HPLC:	Shows 99.9% purity
¹H NMR:	Consistent with structure
Mass Spectrum:	Consistent with structure

Microanalysis:	Carbon Hydrogen Nitrogen		
Theoretical	58.85	4.51	5.97
Found	58.54	4.52	5.98

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

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Description:

SGC 6870N is a negative control for SGC 6870 (Cat. No. 7182). SGC 6870N is the (S)-enantiomer, which is inactive on PRMT6.

Physical and Chemical Properties:

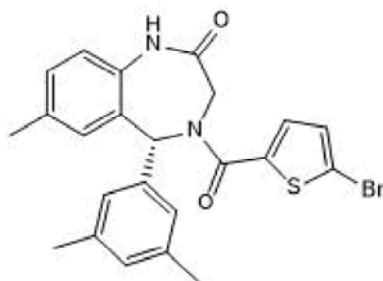
Batch Molecular Formula: C₂₃H₂₁BrN₂O₂S

Batch Molecular Weight: 469.4

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



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.

Licensing Information:

This probe is supplied in conjunction with the Structural Genomics Consortium. For further characterization details, please visit the SGC 6870N probe summary on the SGC website.

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