

Certificate of Analysis

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Product Name: S 18886

Catalog No.: 5568

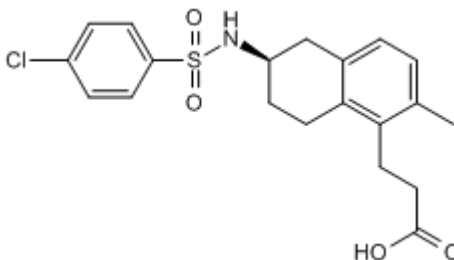
Batch No.: 1

CAS Number: 165538-40-9

IUPAC Name: (6*R*)-6-[[[4-Chlorophenyl)sulfonyl]amino]-5,6,7,8-tetrahydro-2-methyl-1-naphthalenepropanoic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₂₀ H ₂₂ ClNO ₄ S
Batch Molecular Weight:	407.91
Physical Appearance:	White solid
Solubility:	DMSO to 100 mM ethanol to 20 mM with gentle warming
Storage:	Store at -20°C
Batch Molecular Structure:	



2. ANALYTICAL DATA

HPLC:	Shows 98.3% purity
Chiral HPLC:	Shows 99.2% purity
¹H NMR:	Consistent with structure
Mass Spectrum:	Consistent with structure
Optical Rotation:	[α] _D = +29 (Concentration = 1, Solvent = DMSO)
Microanalysis:	

	Carbon	Hydrogen	Nitrogen
Theoretical	58.89	5.44	3.43
Found	58.9	5.41	3.33

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

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Description:

Potent thromboxane A₂ (TP) inhibitor (IC₅₀ = 16.4 nM). Inhibits U 46619 (Cat. No. 1932) induced human platelet aggregation and contraction of isolated rabbit saphenous vein in vitro. Also inhibits U 46619 induced increase in tracheal pressure in guinea pigs. Orally available.

Physical and Chemical Properties:

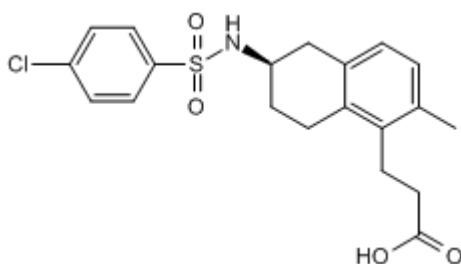
Batch Molecular Formula: C₂₀H₂₂ClNO₄S

Batch Molecular Weight: 407.91

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 20 mM with gentle warming

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:

Cimetièrre et al (1998) Synthesis and biological evaluation of new tetrahydronaphthalene derivatives as thromboxane receptor antagonists. *Bioorg.Med.Chem.Lett.* **8** 1375. PMID: 9871769.

Wang et al (2014) Potent, long-acting cyclopentane-1,3-Dione thromboxane (A₂)-receptor antagonists. *ACS Med.Chem.Lett.* **5** 1015. PMID: 25221659.

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