

Certificate of Analysis

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Product Name: Salirasib

Catalog No.: 4989

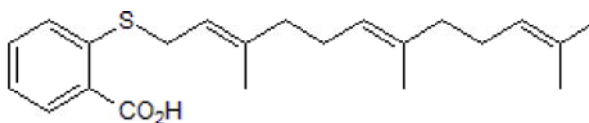
Batch No.: 2

CAS Number: 162520-00-5

IUPAC Name: 2-[[[(2E,6E)-3,7,11-Trimethyl-2,6,10-dodecatrien-1-yl]thio]benzoic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₂₂ H ₃₀ O ₂ S.¼H ₂ O
Batch Molecular Weight:	363.04
Physical Appearance:	Off-white solid
Solubility:	DMSO to 100 mM 1eq. NaOH to 50 mM
Storage:	Store at -20°C
Batch Molecular Structure:	



2. ANALYTICAL DATA

HPLC:	Shows 98.3% purity		
¹H NMR:	Consistent with structure		
Mass Spectrum:	Consistent with structure		
Microanalysis:	Carbon Hydrogen Nitrogen		
	Theoretical	72.79	8.47
	Found	72.49	8.43

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

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956

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Description:

Inhibitor of active Ras proteins. Displaces active Ras from the plasma membrane; impairs downstream signaling and inhibits proliferation of endometrial carcinoma cells. Also facilitates Ras degradation. Shown to induce autophagy in several human cancer cell lines.

Physical and Chemical Properties:

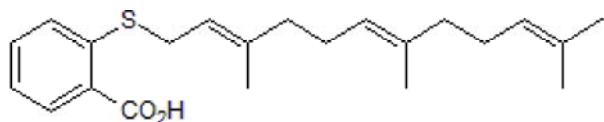
Batch Molecular Formula: C₂₂H₃₀O₂S.¼H₂O

Batch Molecular Weight: 363.04

Physical Appearance: Off-white solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at -20°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

DMSO to 100 mM

1eq. NaOH 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:

Faigenbaum et al (2013) Growth of poorly differentiated endometrial carcinoma is inhibited by combined action of medroxyprogesterone acetate and the Ras inhibitor Salirasib. *Oncotarget* **4** 316. PMID: 23530112.

Schmukler et al (2013) Ras inhibition enhances autophagy, which partially protects cells from death. *Oncotarget* **4** 142. PMID: 23370967.

Haklai et al (1998) Dislodgement and accelerated degradation of Ras. *Biochemistry* **37** 1306. PMID: 9477957.

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