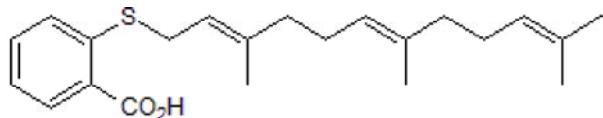


**Certificate of Analysis**[www.tocris.com](http://www.tocris.com)**Product Name:** Salirasib**Catalog No.:** 4989**Batch No.:** 2

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<sub>22</sub>H<sub>30</sub>O<sub>2</sub>S.1/4H<sub>2</sub>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**<sup>1</sup>H 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

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## Product Information

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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

### 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:

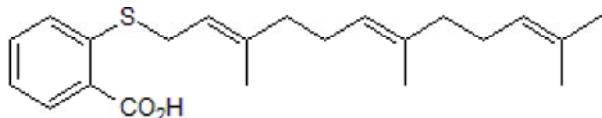
Batch Molecular Formula: C<sub>22</sub>H<sub>30</sub>O<sub>2</sub>S.1/4H<sub>2</sub>O

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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