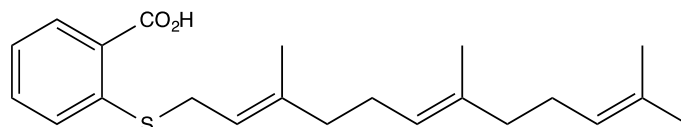


**Catalog # 10-1461**

**Salirasib**

*trans*-Farnesylthiosalicylic acid

Lot # FBM3030



Salirasib is a synthetic farnesylcysteine mimetic that inhibits ras proteins<sup>1,2</sup> via disruption of interactions between the S-Prenyl moiety of Ras and the membrane anchorage domains<sup>3</sup>. It has been investigated in the treatment of various cancers.<sup>4,5</sup> HCC cells pretreated with salirasib were sensitized to TRAIL-induced apoptosis.<sup>6</sup> Salirasib has also been shown to inhibit TRPA1 ( $EC_{50} = 1.3 \mu\text{M}$ ).<sup>7</sup>

- 1) Marciano *et al.* (1995), *Farnesyl Derivatives of Rigid Carboxylic Acids – Inhibitors of ras-Dependent Cell Growth*; J.Med.Chem. **38** 1267
- 2) Marom *et al.* (1995), *Selective inhibition of Ras-dependent cell growth by farnesylthiosalicylic acid (salirasib) in patients with solid tumors*; J.Biol.Chem. **270** 22263
- 3) Haklai *et al.* (1998), *Dislodgement and Accelerated Degradation of Ras*; Biochemistry **37** 1306
- 4) Laheru *et al.* (2012), *Integrated preclinical and clinical development of S-trans,trans-Farnesylthiosalicylic acid (FTS, Salirasib) in pancreatic cancer*; Invest.New Drugs **30** 2391
- 5) Tsimberidou *et al.* (2010), *Phase 1 first-in-human clinical study of S-trans,trans-farnesylthiosalicylic acid (salirasib) in patients with solid tumors*; Cancer Chemother.Pharmacol. **65** 235
- 6) Charette *et al.* (2013), *Salirasib sensitizes hepatocarcinoma cells to TRAIL-induced apoptosis through DR5 and survivin-dependent mechanisms*; Cell Death and Disease. **4** e471
- 7) Maher *et al.* (2008), *Activation of TRPA1 by farnesyl thiosalicylic acid*; Mol.Pharmacol. **73** 1225

**PHYSICAL DATA**

Molecular Weight:	358.54
Molecular Formula:	C <sub>22</sub> H <sub>30</sub> O <sub>2</sub> S
Purity:	>98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 20 mg/ml); ethanol (up to 20 mg/mL)
Physical Description:	White solid
Storage and Stability:	Store as supplied desiccated at room temperature for up to 1 year from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.