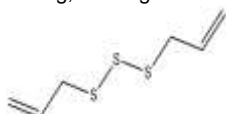


**PRODUCT: Diallyl Trisulfide****ALTERNATE NAME:** Allyl trisulfide, Di-2-propenyl trisulfide; DATS; NSC651936**CATALOG #:** B1062-25, 100**AMOUNT:** 25 mg, 100 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>6</sub>H<sub>10</sub>S<sub>3</sub>**MOLECULAR WEIGHT:** 178.34**CAS NUMBER:** 2050-87-5**APPEARANCE:** Pale yellow oil**SOLUBILITY:** DMSO**PURITY:** ≥98%**STORAGE:** Store at -20 °C. Protect from air and light

**DESCRIPTION:** Diallyl trisulfide (DATS) is an organic polysulfide compound found in garlic that acts as an H<sub>2</sub>S donor. It displays anticancer chemotherapeutic, immunostimulatory, antioxidative, hepatoprotective, anti-fibrotic, anti-estrogenic, anti-metastatic, anti-inflammatory, anti-angiogenic, and cardioprotective activities. In vivo, diallyl trisulfide inhibits lipid peroxidation, increases phase II enzymes such as catalase, superoxide dismutase, glutathione peroxidase, and glutathione reductase, and decreases arsenic-induced hepatic dysfunction.

**REFERENCE:** Hosono, T., *et al.* (2005). *J. Biol. Chem.* **280**, 41487-41493.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**Colchicine (**Cat. No. 1519-1000**)Combretastatin A (**Cat. No. 2239-10, 50**)Docetaxel (**Cat. No. 2232-10, 50**)Epothilone B (**Cat. No. 2012-1,5**)Etoposide (**Cat. No. 1043-25Mg, 25MG**)Etoposide phosphate (**Cat. No. 2896-10,50**)Nocodazole (**Cat. No. 2185-10, 50**)Paclitaxel (**Cat. No. 1567-25**)Podophyllotoxin (**Cat. No. 2767-50**)Pseudolaric acid B (**Cat. No. 2512-1, 5**)Tamoxifen Citrate (**Cat. No. 1551-1000**)Vinblastin sulfate (**Cat. No. 1959-5, 25**)Vinorelbine tartrate (**Cat. No. 1957-5, 25**)A771726 (**Cat. No. 1973-5, 25**)Ascomycin (**Cat. No. 1570-2**)Cyclosporin A (**Cat. No. 1522-100, 1G**)(R,S)-Lenalidomide (**Cat. No. 1862-25, 100**)FK506 (**Cat. No. 1563-1,10**)Leflunomide (**Cat. No. 1972-10, 50**)Mycophenolic acid (**Cat. No. 1882-50, 250**)Rapamycin (**Cat. No. 1568-5, 50**)**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**