

WC-9

## Chemical Properties

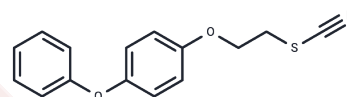
CAS No. : 205381-53-9

Formula: C<sub>15</sub>H<sub>13</sub>NO<sub>2</sub>S

Molecular Weight: 271.33

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	WC-9 is a squalene synthase inhibitor. It acts by binding to TcSQS and HsSQS.
Targets(IC50)	Others,Parasite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6855 mL	18.4277 mL	36.8555 mL
5 mM	0.7371 mL	3.6855 mL	7.3711 mL
10 mM	0.3686 mL	1.8428 mL	3.6855 mL
50 mM	0.0737 mL	0.3686 mL	0.7371 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

- Peltzer K, Pengpid S. The Association of Dietary Behaviors and Physical Activity Levels with General and Central Obesity among ASEAN University Students. *AIMS Public Health*. 2017 Jun 23;4(3):301-313. doi: 10.3934/publichealth.2017.3.301. eCollection 2017. PubMed PMID: 29546219; PubMed Central PMCID: PMC5690456.
- Chao MN, Storey M, Li C, Rodríguez MG, Di Salvo F, Szajnman SH, Moreno SNJ, Docampo R, Rodriguez JB. Selenium-containing analogues of WC-9 are extremely potent inhibitors of *Trypanosoma cruzi* proliferation. *Bioorg Med Chem*. 2017 Dec 15;25(24):6435-6449. doi: 10.1016/j.bmc.2017.10.016. Epub 2017 Oct 16. PubMed PMID: 29107437.
- Chao MN, Li C, Storey M, Falcone BN, Szajnman SH, Bonesi SM, Docampo R, Moreno SN, Rodriguez JB. Activity of Fluorine-Containing Analogues of WC-9 and Structurally Related Analogues against Two Intracellular Parasites: *Trypanosoma cruzi* and *Toxoplasma gondii*. *ChemMedChem*. 2016 Dec 16;11(24):2690-2702. doi: 10.1002/cmdc.201600505. Epub 2016 Nov 25. PubMed PMID: 27886451; PubMed Central PMCID: PMC5200956.
- Vadiveloo M, Sacks FM, Champagne CM, Bray GA, Mattei J. Greater Healthful Dietary Variety Is Associated with Greater 2-Year Changes in Weight and Adiposity in the Preventing Overweight Using Novel Dietary Strategies (POUNDS Lost) Trial. *J Nutr*. 2016 Aug;146(8):1552-9. doi: 10.3945/jn.115.224683. Epub 2016 Jun 29. PubMed PMID: 27358422; PubMed Central PMCID: PMC4958287.

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