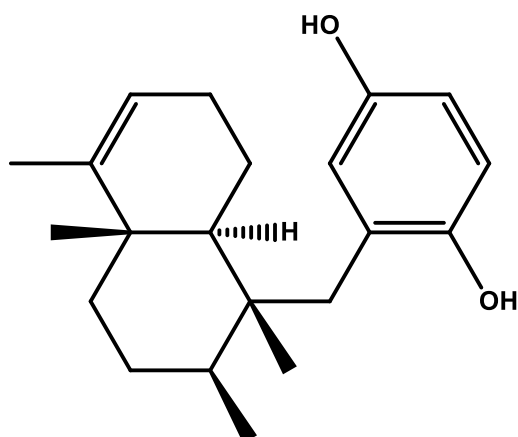


Product Data Sheet

Avarol



General description	Avarol is a secondary metabolite from the marine sponge <i>D. avara</i> . It is a sesquiterpenoid hydroquinone.
Specific biological description	<ul style="list-style-type: none"> • antileukemic effect <i>in vitro</i> and <i>in vivo</i> (mice) • cytotoxic against neoplastic cultivated P-388 cells (lung carcinoma, IC₅₀: 3.2 μM) • inhibition of HIV-1 reverse transcriptase • anti-inflammatory und antipsoriatic effect • inhibition tumor necrosis factor-α (TNF-α) generation
Purity	> 99 % (HPLC)
Appearance	brown solid

Product properties

Chemical name (IUPAC)	2-[[[(1 <i>R</i> ,2 <i>S</i> ,4 <i>aS</i> ,8 <i>aS</i>)-1,2,3,4,4 <i>a</i> ,7,8,8 <i>a</i> -octahydro-1,2,4 <i>a</i> ,5-tetramethyl-1-naphthalenyl]methyl]-1,4-Benzenediol
Molecular formula	C ₂₁ H ₃₀ O ₂
Molecular weight	314.46 g/mol
CAS Number	55303-98-5
PubChem CID	72185
SMILES	CC1CCC2(C)C(CCC=C2C)C1(C)CC3=C(O)C=CC(=C3)O
Solubility	ethanol, methanol und DMSO
Source	<i>Dysidea avara</i>

„Squeeze the sponge’s full potential“



Product notes

Long term storage	-20 °C (protected from moisture)
Handling	Prepared solutions need to be stored in tightly sealed vials at -20 °C.

THIS PRODUCT IS FOR RESEARCH USE ONLY AND IS NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS.

Product literature references

- [1] M. Amigó, M. Payá, A. Braza-Boils, S. De Rosa, M. C. Terencio *Life Sciences* **2008**, *82*, 256.
- [2] P. S. Sarin, D. Sun, A. Thornton, W. E. G. Müller *J. Natl. Cancer Inst.* **1987**, *28*, 663.
- [3] T. Namba, R. Kodama *Life Sciences* **2015**, *13*, 2376.
- [4] J. M. M. del Corral, M. Gordaliza, M. A. Castro, M. M. Mahiques, P. Chamorro, A. Molinari, M. D. García-Grávalos, H. B. Broughton, A. S. Feliciano *J. Med. Chem.* **2001**, *44*, 1257.