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产品名称: **Batracylin**
CAS 号: **67199-66-0**
产品货号: **S34027**

生物活性:				
Description	Batracynin (NSC320846) 是一种有效的 DNA 拓扑异构酶 I (DNA Topoisomerases I) 和 DNA 拓扑异构酶 II (DNA Topoisomerases II) 抑制剂。Batracynin 具有细胞毒性和抗增殖活性。Batracynin 会诱导 DNA 断裂。			
Cellular Effect	Cell Line	Type	Value	Description
	A549	IC ₅₀	46.3 μ M	Cytotoxicity against human A549 cells after 120 hrs by MTT assay
	HCT-116	IC ₅₀	88.7 μ M	Cytotoxicity against human HCT116 cells after 120 hrs by MTT assay
	HL-60	IC ₅₀	66.6 μ M	Cytotoxicity against human HL60 cells after 120 hrs by MTT assay
	HT-29	IC ₅₀	64.3 μ M	Cytotoxicity against human HT-29 cells after 120 hrs by MTT assay
	L1210	IC ₅₀	> 100 μ M	Cytotoxicity against mouse L1210 cells after 120 hrs by MTT assay
	LNCaP	IC ₅₀	90.2 μ M	Cytotoxicity against human LNCAP cells after 120 hrs by MTT assay
	MCF7	IC ₅₀	> 100 μ M	Cytotoxicity against human MCF7 cells after 120 hrs by MTT assay
	NIH3T3	IC ₅₀	69.9 μ M	Cytotoxicity against mouse NIH/3T3 cells after 120 hrs by MTT assay
	P388	IC ₅₀	> 100 μ M	Cytotoxicity against mouse P388 cells after 120 hrs by MTT assay
In Vitro	Batracynin (0-300 μ M; 6 小时) 对 HT29 细胞具有细胞毒性, IC ₅₀ 值为 10.02 μ M[1]。 Batracynin (100、300 μ M; 3 小时) 可诱导与拓扑异构酶靶向一致的蛋白连接 DNA 断裂[1]。			
参考文献	[1]. Rao VA, et al. Batracynin (NSC 320846), a dual inhibitor of DNA topoisomerases I and II induces histone gamma-H2AX as a biomarker of DNA damage. Cancer Res. 2007 Oct 15;67(20):9971-9.			