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产品名称: **SMBA1**
CAS 号: **906440-37-7**
产品货号: **S89425**

生物活性:									
Description	SMBA1 是一种有效的 Bax 激动剂, Ki 值为 43.3 nM。SMBA1 增强 Bax 表达。SMBA1 显示出抗肿瘤活性。SMBA1 具有肺癌研究的潜力。								
IC50 & Target[1]	Bax 43.3 nM (Ki)								
In Vitro	SMBA1 通过阻断 S184 磷酸化、促进 Bax 插入线粒体膜并形成 Bax 寡聚体来诱导 Bax 的构象变化显示 Bax 激动剂活性[1]。 SMBA1 (0, 0.1, 1, 5, 10 μM; 24 h) 在 A549 细胞中以剂量依赖性方式增强 Bax 表达[1]。 Western Blot Analysis[1] <table><tr><td>Cell Line:</td><td>A549 cells</td></tr><tr><td>Concentration:</td><td>0, 0.1, 1, 5, 10 μM</td></tr><tr><td>Incubation Time:</td><td>24 h</td></tr><tr><td>Result:</td><td>Increased the Bax expression in a dose-dependent manner</td></tr></table>	Cell Line:	A549 cells	Concentration:	0, 0.1, 1, 5, 10 μ M	Incubation Time:	24 h	Result:	Increased the Bax expression in a dose-dependent manner
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In Vivo	SMBA1 (2、10、40、60 mg/kg; 腹腔注射; 每天一次, 持续 10 天) 在小鼠体内显示出抗肿瘤活性[1]。 <table><tr><td>Animal Model:</td><td>6-week-old male Nu/Nu mice (A549 lung cancer xenografts)[1]</td></tr><tr><td>Dosage:</td><td>2, 10, 40, 60 mg/kg</td></tr><tr><td>Administration:</td><td>I.p.; once daily for 10 days</td></tr><tr><td>Result:</td><td>Supressed the tumor volume and increased levels of active caspase 3.</td></tr></table>	Animal Model:	6-week-old male Nu/Nu mice (A549 lung cancer xenografts)[1]	Dosage:	2, 10, 40, 60 mg/kg	Administration:	I.p.; once daily for 10 days	Result:	Supressed the tumor volume and increased levels of active caspase 3.
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参考文献	[1]. Xin M, et al. Small-molecule Bax agonists for cancer therapy. Nat Commun. 2014 Sep 17;5:4935.								

