

Valproic acid, sodium salt, Histone deacetylase inhibitor ab120745

[1 References](#) [2 图像](#)

概述

产品名称	Valproic acid, sodium salt, Histone deacetylase抑制剂
描述	Histone deacetylase抑制剂
生物学描述	Histone deacetylase inhibitor ($IC_{50} = 0.4 \mu M$ for HDAC1). Increases GABA expression and activates Wnt dependent gene expression. Centrally active upon oral and intravenous administration.

CAS编号 1069-66-5



性能

化学名称	Sodium 2-propylpentanoate
分子量	166.20
分子式	$C_8H_{15}NaO_2$
存放说明	Store at Room Temperature. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解度概述	Soluble in water to 100 mM
处理	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at $-20^{\circ}C$. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Toxic, refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
来源	Synthetic

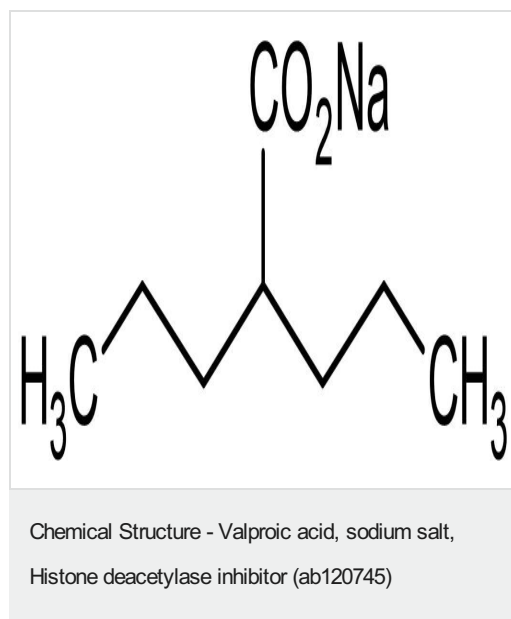
The Abpromise guarantee

Abpromise™ 承诺保证使用ab120745于以下的经测试应用

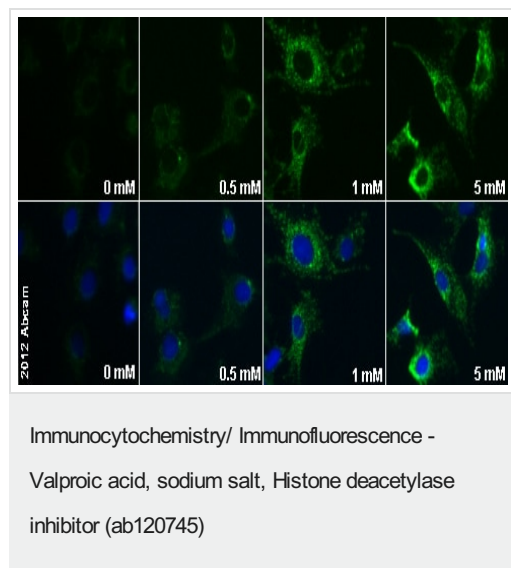
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Functional Studies		Use at an assay dependent concentration.

图片



2D chemical structure image of ab120745, Valproic acid, sodium salt, Histone deacetylase inhibitor



ab70362 staining adiponectin receptor 1 in HepG2 cells treated with valproic acid, sodium salt (ab120745), by ICC/IF. Increased cytoplasmatic staining of adiponectin receptor 1 correlates with increased concentration of valproic acid, as described in literature. The cells were incubated at 37°C for 24h in media containing different concentrations of ab120745 (valproic acid) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with **ab70362** (5 µg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-rabbit polyclonal antibody (**ab96899**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

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