

Valproic acid, sodium salt, Histone deacetylase inhibitor ab120745

1 [References](#) **画像数** [2](#)

製品の概要

製品名	Valproic acid, sodium salt, Histone deacetylase inhibitor
製品の詳細	Histone deacetylase inhibitor
生理活性の詳細	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 番号 1069-66-5



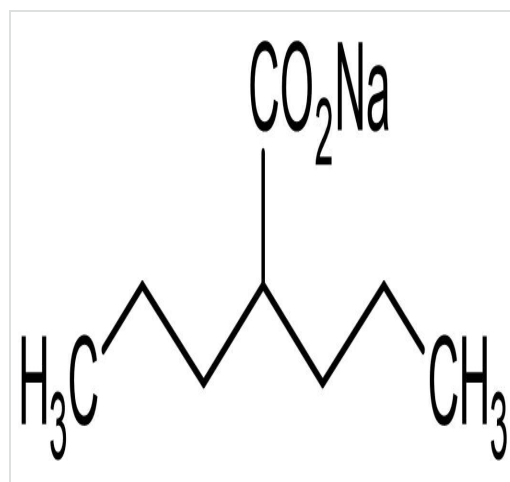
製品の特性

体系名	Sodium 2-propylpentanoate
分子量	166.20
分子式	$C_8H_{15}NaO_2$
保存方法	Store at Room Temperature. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解性	Soluble in water to 100 mM
使用に関する注意	<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>
由来	Synthetic

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アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

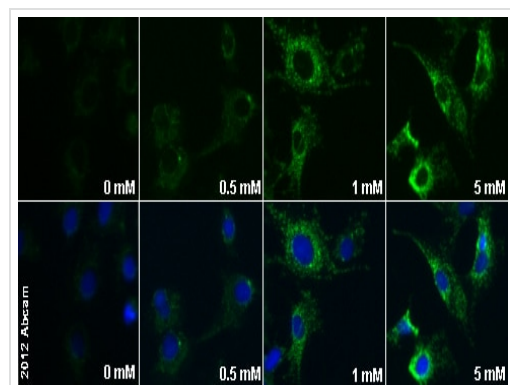
アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

画像



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

Chemical Structure - Valproic acid, sodium salt,
Histone deacetylase inhibitor (ab120745)



Immunocytochemistry/ Immunofluorescence -
Valproic acid, sodium salt, Histone deacetylase
inhibitor (ab120745)

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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