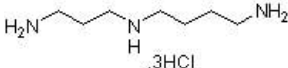


# Spermidine hydrochloride, nNOS inhibitor ab120057

**1 References** [画像数 2](#)

### 製品の概要

製品名	Spermidine hydrochloride, nNOS inhibitor
製品の詳細	Endogenous polyamine. nNOS inhibitor.
生理活性の詳細	Endogenous polyamine, that binds to the polyamine modulatory site of the NMDA receptor. Inhibits neuronal nitric oxide synthase (nNOS). Binds and precipitates DNA; may be used for purification of DNA binding proteins.
CAS 番号	334-50-9
構造式	

### 製品の特性

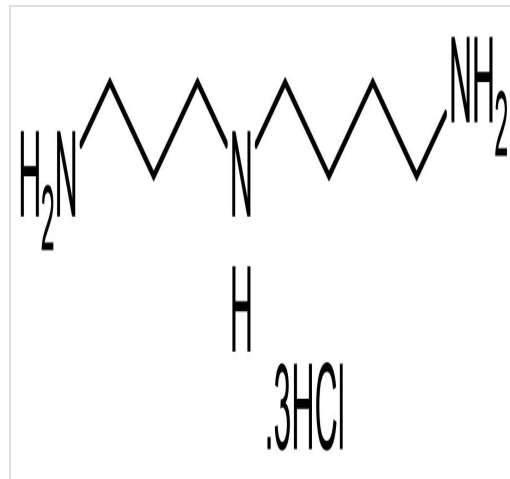
体系名	<i>N</i> -(3-Aminopropyl)butane-1,4-diamine trihydrochloride
分子量	254.63
分子式	C <sub>7</sub> H <sub>19</sub> N <sub>3</sub> ·3HCl
PubChem 登録番号	9539
保存方法	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解性	Soluble in water to 100 mM
使用に関する注意	<p>Wherever 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°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>Refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
SMILES 線形表記	NCCCCCCCCN.Cl.Cl.Cl
由来	Synthetic

## アプリケーション

**The Abpromise guarantee** Abpromise保証は、 次のテスト済みアプリケーションにおけるab120057の使用に適用されます  
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。

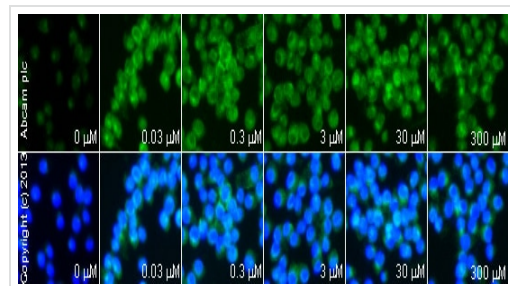
アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

## 画像



Chemical Structure - Spermidine hydrochloride,  
nNOS inhibitor (ab120057)

2D chemical structure image of ab120057, Spermidine  
hydrochloride, nNOS inhibitor



Functional Studies - Spermidine hydrochloride,  
nNOS inhibitor (ab120057)

**ab9969** staining IL10 in RAW 246.7 cells treated with spermidine hydrochloride (ab120057), by ICC/IF. Increase in IL10 expression correlates with increased concentration of spermidine hydrochloride, as described in literature.

The cells were incubated at 37°C for 24 hour in media containing different concentrations of ab120057 (spermidine hydrochloride) 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 **ab9969** (1 µg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 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.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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