

Hydralazine hydrochloride, DNA methylation inhibitor. ab120863

画像数 2

製品の概要

製品名	Hydralazine hydrochloride, DNA methylation inhibitor.
製品の詳細	DNA methylation inhibitor. Antihypertensive agent.
生理活性の詳細	Inhibits DNA methylation by inhibition of MAPK ($EC_{50} = 2.96 \mu M$). Multiple, direct effects on vascular smooth muscle; hyperpolarization, inhibition of IP_3 -induced release of Ca^{2+} and formation of NO leading to cGMP-mediated vasodilation. DNMT inhibitor ($IC_{50} = 2 \mu M$).

精製度 > 99%

CAS 番号 304-20-1



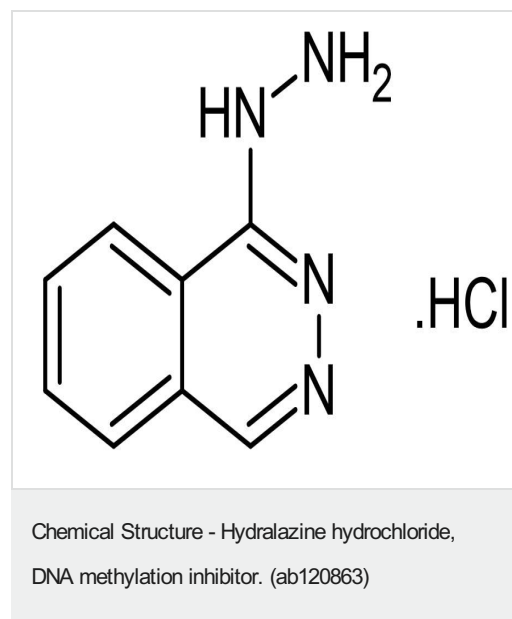
製品の特性

体系名	1-Hydrazinylphthalazine hydrochloride
分子量	196.64
分子式	$C_8H_8N_4 \cdot HCl$
保存方法	Store at Room Temperature. 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

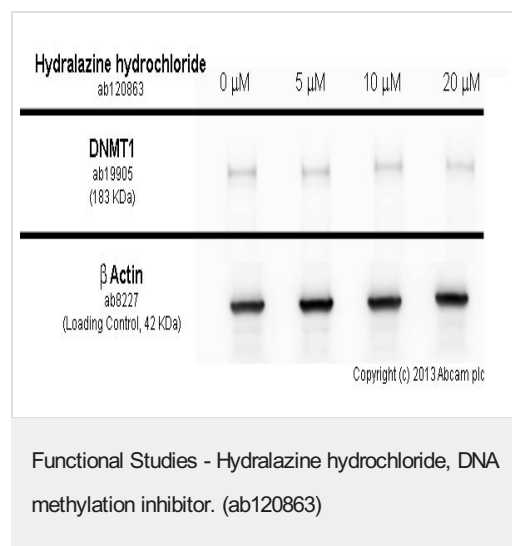
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アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

画像



2D chemical structure image of ab120863, Hydralazine hydrochloride, DNA methylation inhibitor.



Jurkat cells were incubated at 37°C for 5 days with vehicle control (0 μM) and different concentrations of hydralazine hydrochloride (ab120863). Decreased expression of DNMT1 (**ab19905**) in Jurkat cells correlates with an increase in hydralazine hydrochloride concentration, as described in literature.

Whole cell lysates were prepared with RIPA buffer (containing protease inhibitors and sodium orthovanadate), 20 μg of each were loaded on the gel and the WB was run under reducing conditions. After transfer the membrane was blocked for an hour using 5% BSA before being incubated with **ab19905** at 1 μg/ml and **ab8227** at 1 μg/ml overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP (**ab97051**) at 1/10000 dilution and visualised using ECL development solution.

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

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