

Nigericin Na⁺ salt, K⁺ ionophore ab120494

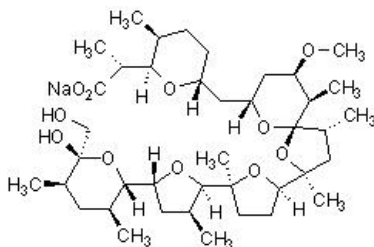
2 References [画像数 2](#)

製品の概要

製品名	Nigericin Na ⁺ salt, K ⁺ ionophore
製品の詳細	K ⁺ ionophore
生理活性の詳細	K ⁺ ionophore; exchanges K ⁺ for H ⁺ across most biological membranes. Stimulates mitochondrial ATPase activity, and exchanges H ⁺ for K ⁺ >Rb ⁺ >Cs ⁺ >>Na ⁺ . Reported to inhibit Poliovirus and influenza virus replication.

CAS 番号 28643-80-3

構造式



製品の特性

体系名	Nigericin sodium salt
分子量	746.95
分子式	C ₄₀ H ₆₇ NaO ₁₁
PubChem 登録番号	16760591
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 ethanol 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>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>

SMILES 線形表記

OC[C@]1(O)O[C@@H]([C@@H](C)C[C@H]1C)[C@H]2C[C@H](C)[C@@H](O2)[C@]3(C)CC[C@@H](O3)[C@]6(C)C[C@@H](C)[C@@]5(O[C@H](C)[C@H]4CC[C@H](C)[C@@H](O4)[C@@H](C)C(=O)O[Na])C[C@@H](OC)[C@H]5C)O6

由来

Streptomyces hygroscopicus

アプリケーション

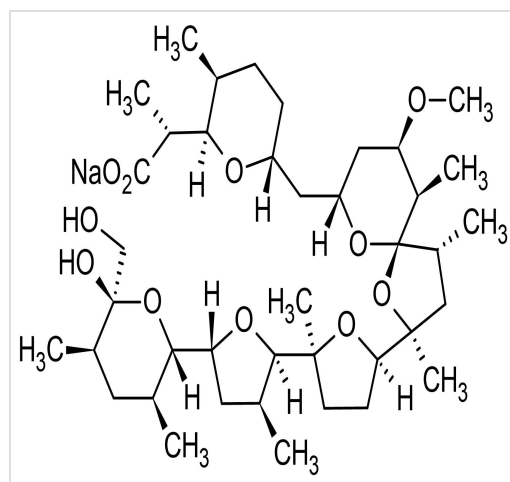
The Abpromise guarantee

Abpromise保証は、 次のテスト済みアプリケーションにおけるab120494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。

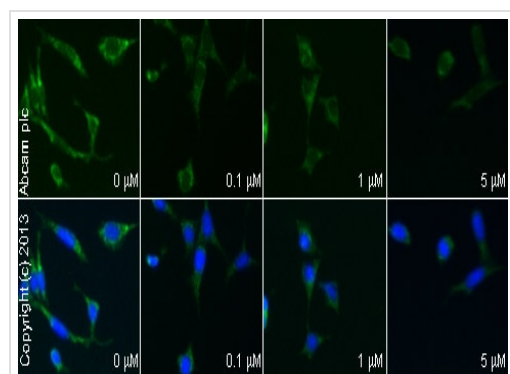
アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

画像



2D chemical structure image of ab120494, Nigericin Na⁺ salt, K⁺ ionophore

Chemical Structure - Nigericin Na⁺ salt, K⁺ ionophore (ab120494)



Immunocytochemistry/ Immunofluorescence - Nigericin Na⁺ salt, K⁺ ionophore (ab120494)

ab56889 staining mitofusin 2 in MEF1 cells treated with nigericin Na⁺ salt (ab120494), by ICC/IF. Decrease in mitofusin 2 expression correlates with increased concentration of nigericin Na⁺ salt, as described in literature.

The cells were incubated at 37°C for 3h in media containing different concentrations of ab120494 (nigericin Na⁺ salt) in DMSO, fixed with 100% methanol for 5 minutes at -20°C 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 **ab56889** (10 μg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-mouse polyclonal antibody (**ab96879**) at 1/250 dilution was used as

the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

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