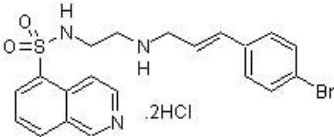


H89 dihydrochloride, Kinase inhibitor ab120341

[6 References](#) [2 图像](#)

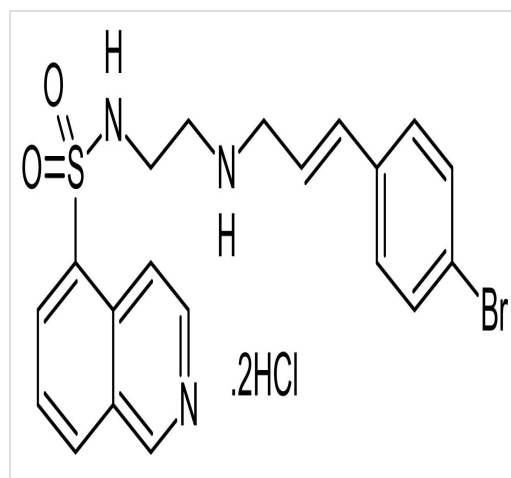
概述

产品名称	H89 dihydrochloride, Kinase抑制剂
描述	Kinase抑制剂
生物学描述	Kinase inhibitor, commonly used as a protein kinase A inhibitor (IC ₅₀ = 135 nM). Also inhibits other kinases, including MSK1 , S6K1 and ROCKII (IC ₅₀ values are 120, 80 and 270 nM, respectively).
CAS编号	130964-39-5
化学结构	

性能

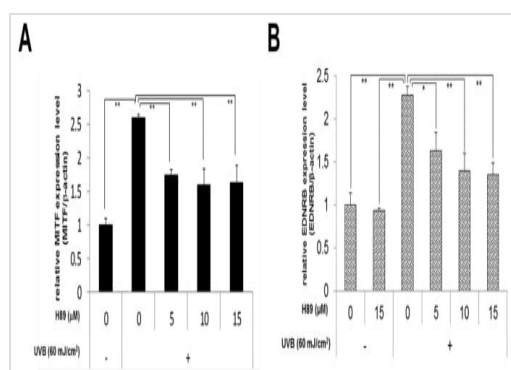
化学名称	<i>N</i> -[2-[[[3-(4-Bromophenyl)-2-propen-1-yl]amino]ethyl]-5-isoquinolinesulfonamide dihydrochloride
分子量	519.28
分子式	C ₂₀ H ₂₀ BrN ₃ O ₂ S.2HCl
PubChem识别号	5702541
存放说明	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解度概述	Soluble in DMSO to 100 mM and in water to 25 mM (with heating)
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°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 frequently asked questions (FAQ) page for more details.</p>
SMILES	<chem>C1=CC2=C(C=CN=C2)C(=C1)S(=O)(=O)NCCNC/C=C/C3=CC=C(C=C3)Br.Cl.Cl</chem>

图片



2D chemical structure image of ab120341, H89 dihydrochloride, Kinase inhibitor

Chemical Structure - H89 dihydrochloride, Kinase inhibitor (ab120341)



Functional Studies - H89 dihydrochloride, Kinase inhibitor (ab120341)

Image from Tagashira, Hideki et al., PLOS One., 10(6):e0128678. Fig 8.; doi: 10.1371/journal.pone.0128678. Reproduced under the Creative Commons license <http://creativecommons.org/licenses/by/4.0/>

Normal human melanocytes (NHMs) were treated with ab120341 at the indicated concentrations to test if the inhibition of MSK1 activation results in the down-regulated MITF and EDNRB expression in UVB-exposed NHMs. ab120341 was added immediately after UVB irradiation and cells were cultured for 6h (for MITF, A) or 24 h (for EDNRB, B). Total mRNAs were purified and Real-time RT-PCR was carried out with MITF or EDNRB primer and β -actin primer as the internal control. Error bars represent S.D. from triplicate experiments. * $P < 0.05$ and ** $P < 0.01$ against NHMs UVB-irradiated in the absence of H89, respectively.

Tagashira, Hideki et al., PLOS One., 10(6):e0128678. Fig 8.; doi: 10.1371/journal.pone.0128678.

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

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