

Product datasheet

# E-4031 dihydrochloride, HERG K<sup>+</sup> channel blocker

## ab120158

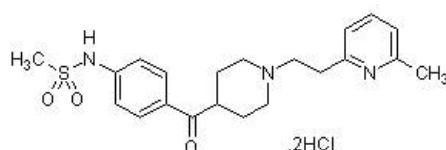
[3 References](#) [1 Image](#)

### Overview

<b>Product name</b>	E-4031 dihydrochloride, HERG K <sup>+</sup> channel blocker
<b>Description</b>	HERG K <sup>+</sup> channel blocker
<b>Biological description</b>	Type III antiarrhythmic drug that blocks ion channels encoded by the ether-a-go-go related gene (ERG1 or KCNH1). Blocks channels in the open configuration with little effect on the channels in the closed configuration. The IC <sub>50</sub> for block of human ERG channels in expression systems is approx. 350 nM.

**CAS Number** 113559-13-0

### Chemical structure



### Properties

<b>Chemical name</b>	N-[4-[[1-[2-(6-Methyl-2-pyridinyl)ethyl]-4-piperidiny]carbonyl]phenyl]methanesulfonamide dihydrochloride
<b>Molecular weight</b>	474.44
<b>Molecular formula</b>	C <sub>21</sub> H <sub>27</sub> N <sub>3</sub> O <sub>3</sub> S.2HCl
<b>PubChem identifier</b>	3087190
<b>Storage instructions</b>	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in water to 100 mM
<b>Handling</b>	<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</a></p>

[questions \(FAQ\) page](#) for more details.

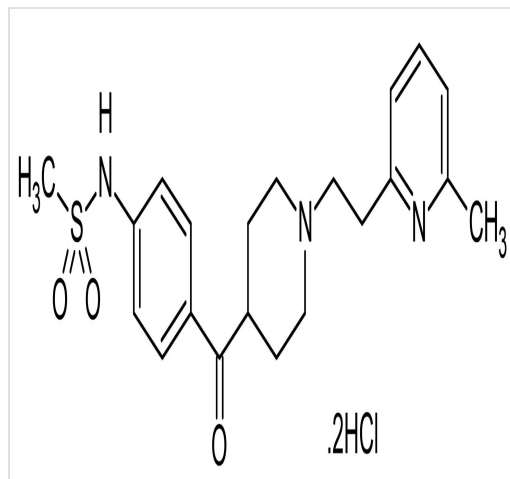
**SMILES**

Cl.Cl.CS(=O)(=O)Nc1ccc(cc1)C(=O)C3CCN(CCc2cccc(C)n2)CC3

**Source**

Synthetic

**Images**



2D chemical structure image of ab120158, E-4031 dihydrochloride, HERG K<sup>+</sup> channel blocker

Chemical Structure - E-4031 dihydrochloride, HERG K<sup>+</sup> channel blocker (ab120158)

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