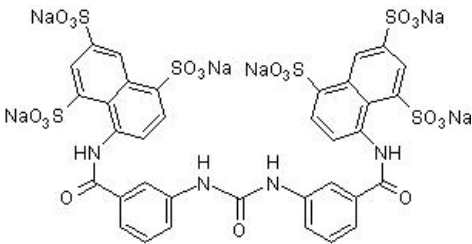


# NF023, competitive P2X1 receptor antagonist ab120454

1 Image

### Overview

<b>Product name</b>	NF023, competitive P2X1 receptor antagonist
<b>Description</b>	Competitive P2X <sub>1</sub> receptor antagonist
<b>Biological description</b>	Suramin analog and subtype-selective competitive antagonist at P2X <sub>1</sub> receptors (IC <sub>50</sub> values are 0.21, 28.9, >50 and >100 µM for human P2X <sub>1</sub> , P2X <sub>3</sub> , P2X <sub>2</sub> , and P2X <sub>4</sub> -mediated responses, respectively). Inhibits contraction induced by electrical field stimulation in smooth muscle.
<b>CAS Number</b>	104869-31-0
<b>Chemical structure</b>	

### Properties

<b>Chemical name</b>	8,8'-[Carbonylbis(imino-3,1-phenylene-carbonylimino)]bis-1,3,5-naphthalenetrisulfonic acid hexasodium salt
<b>Molecular weight</b>	1162.86
<b>Molecular formula</b>	C <sub>35</sub> H <sub>20</sub> N <sub>4</sub> Na <sub>6</sub> O <sub>21</sub> S <sub>6</sub>
<b>PubChem identifier</b>	4465
<b>Storage instructions</b>	Store at -20°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.

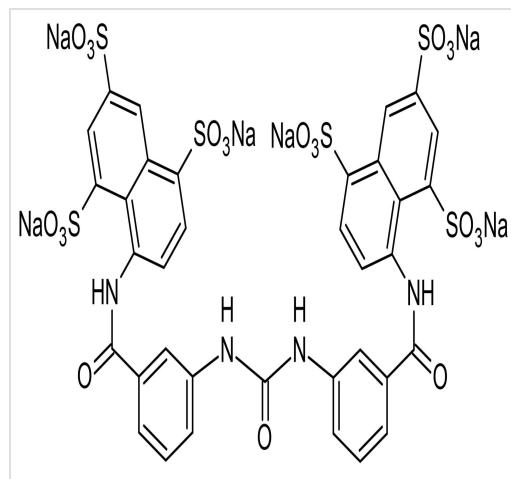
## SMILES

O=S(=O)(O[Na])c1cc(cc2c1c(ccc2S(=O)(=O)O[Na])NC(=O)c3cc(ccc3)NC(=O)Nc4cccc(c4)C(=O)Nc6ccc(c5cc(cc(c56)S(=O)(=O)O[Na])S(=O)(=O)O[Na])S(=O)(=O)O[Na])S(=O)(=O)O[Na]

## Source

Synthetic

## Images



Chemical Structure - NF023, competitive  
P2X<sub>1</sub>receptor antagonist (ab120454)

2D chemical structure image of ab120454, NF023, competitive  
P2X<sub>1</sub>receptor antagonist

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

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