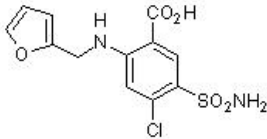


Product datasheet

Furosemide,  $\text{Na}^+/\text{2Cl}^-/\text{K}^+$  cotransporter inhibitor  
ab120314

Overview

<b>Product name</b>	Furosemide, $\text{Na}^+/\text{2Cl}^-/\text{K}^+$ cotransporter inhibitor
<b>Description</b>	Inhibitor of the $\text{Na}^+/\text{2Cl}^-/\text{K}^+$ cotransporter. Also $\text{GABA}_A$ antagonist.
<b>Biological description</b>	Inhibitor of the $\text{Na}^+/\text{2Cl}^-/\text{K}^+$ cotransporter. Loop diuretic. Also acts as a non-competitive antagonist at $\text{GABA}_A$ receptors displaying approx. 100-fold greater selectivity for $\alpha 6$ -containing receptors over $\alpha 1$ -containing receptors.
<b>Purity</b>	> 99%
<b>CAS Number</b>	54-31-9
<b>Chemical structure</b>	

Properties

<b>Chemical name</b>	5-(Aminosulfonyl)-4-chloro-2-[(2-furanylmethyl)amino]benzoic acid
<b>Molecular weight</b>	330.74
<b>Molecular formula</b>	$\text{C}_{12}\text{H}_{11}\text{ClN}_2\text{O}_5\text{S}$
<b>PubChem identifier</b>	3440
<b>Storage instructions</b>	Store at Room Temperature. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in DMSO 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 <math>-20^\circ\text{C}</math>. 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>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
<b>SMILES</b>	<chem>NS(=O)(=O)c2cc(c(NCc1ccco1)cc2Cl)C(=O)O</chem>
<b>Source</b>	Synthetic

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

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- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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