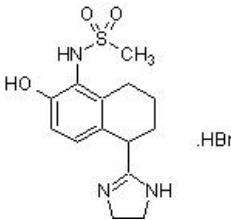


Product datasheet

A 61603, α_{1A} -adrenoceptor agonist ab144571

1 Image

Overview

Product name	A 61603, α_{1A} -adrenoceptor agonist
Description	Potent, selective α_{1A} -adrenoceptor agonist
Biological description	Potent, selective α_{1A} -adrenoceptor agonist. Increases spontaneous Ca^{2+} transients in myocytes ($EC_{50} = 7$ nM). Shows vasoconstrictive and hypertensive effects <i>in vivo</i> .
Purity	> 99%
CAS Number	107756-30-9
Chemical structure	

Properties

Chemical name	N-[5-(4,5-Dihydro-1H-imidazol-2-yl)-5,6,7,8-tetrahydro-2-hydroxy-1-naphthalenyl]methanesulfonamide hydrobromide
Molecular weight	390.29
Molecular formula	$C_{14}H_{19}N_3O_3S \cdot HBr$
PubChem identifier	9865178
Storage instructions	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water to 10 mM, in ethanol to 10mM and in DMSO to 100mM
Handling	<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>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>

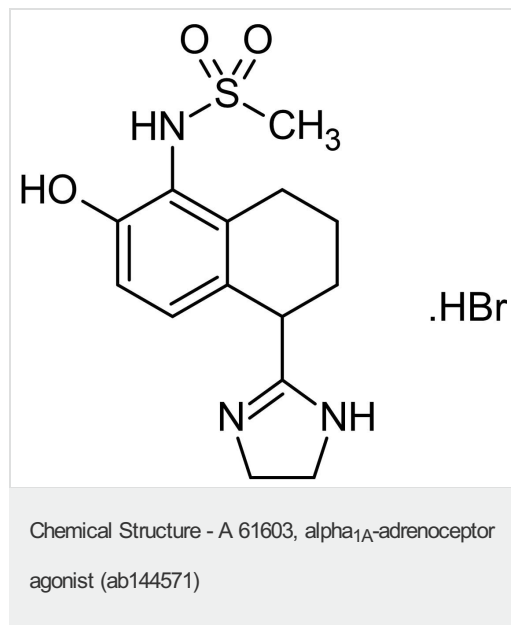
SMILES

Br.CS(=O)(=O)Nc2c(O)ccc1C(CCCc12)C3=NCCN3

Source

Synthetic

Images



2D chemical structure image of ab144571, A 61603, alpha_{1A}-adrenoceptor agonist

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

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