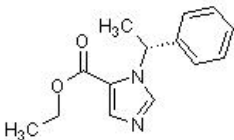


Product datasheet

Etomidate, GABAA agonist ab120311

2 Images

Overview

Product name	Etomidate, GABAA agonist
Description	GABA _A agonist
Biological description	Agonist at GABA _A receptors containing $\beta 3$ subunits. Anaesthetic and amnesic properties.
CAS Number	33125-97-2
Chemical structure	

Properties

Chemical name	Ethyl 1-((<i>R</i>)-1-phenylethyl)-1 <i>H</i> -imidazole-5-carboxylate
Molecular weight	244.29
Molecular formula	C ₁₄ H ₁₆ N ₂ O ₂
PubChem identifier	667484
Storage instructions	Store at Room Temperature. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 100 mM, in ethanol to 500 mM, in 1 eq. HCl to 100 mM (with heating) and in water to 1 mM
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>Toxic, 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>C[C@H](c1ccccc1)n2cncc2C(=O)OCC</chem>
Source	Synthetic

Applications

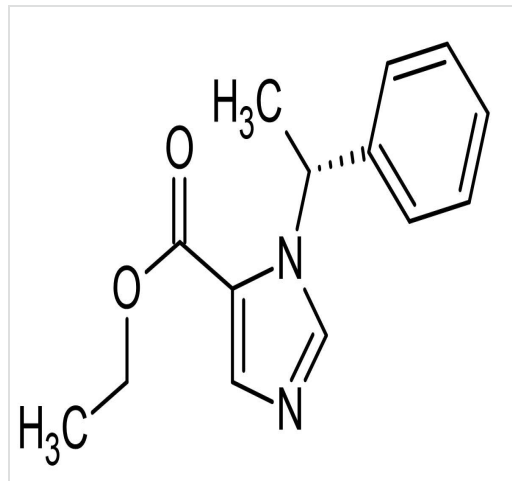
The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab120311 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

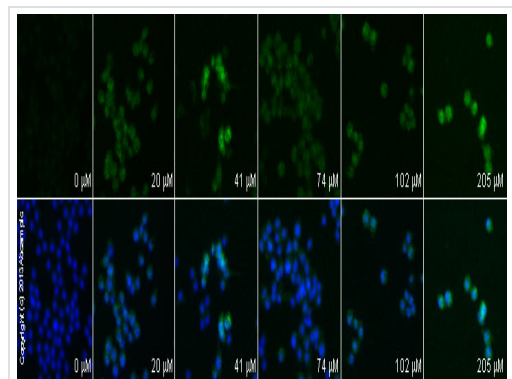
Application	Abreviews	Notes
Functional Studies		Use at an assay dependent concentration.

Images



Chemical Structure - Etomidate, GABA_A agonist
(ab120311)

2D chemical structure image of ab120311, Etomidate, GABA_A agonist



Functional Studies - Etomidate, GABA_A agonist
(ab120311)

ab7977 staining BAX in RAW 264.7 cells treated with etomidate (ab120311), by ICC/IF. Increase in BAX expression correlates with increased concentration of etomidate, as described in literature. The cells were incubated at 37°C for 24h in media containing different concentrations of ab120311 (etomidate) in DMSO, fixed with 100% methanol for 5 minutes at -20°C and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with **ab7977** (1 μg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-rabbit polyclonal antibody (**ab96899**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

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

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- Response to your inquiry within 24 hours
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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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