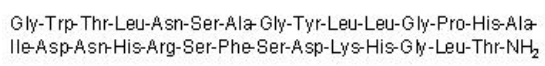
abcam

Product datasheet

Galanin (1-29) (rat, mouse), Galanin receptor agonist ab141153

2 Images

Overview

Product name	Galanin (1-29) (rat, mouse), Galanin receptor agonist
Description	Non-selective galanin receptor agonist
Biological description	Non-selective galanin receptor agonist (K_i values are 0.98, 1.48 and 1.47 nM at GAL1, GAL2 and GAL3, respectively). Anticonvulsant and neuroprotective effects *in vivo*.
Purity	> 95%
CAS Number	114547-31-8
Chemical structure	

Properties

Molecular weight	3164.48
Molecular formula	$C_{141}H_{211}N_{43}O_{41}$
Sequence	GWTLNSAGYLLGPHAIDNHRSFSDKHGLT (Modifications: C-terminal amide)
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water
Handling	This product is supplied in one (or more) pack size which is freeze dried. Therefore the contents may not be readily visible, as they can coat the bottom or walls of the vial. Please see our **FAQs** and **information page** for more details on handling. 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 week. 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. Need more advice on solubility, usage and handling? Please visit our **frequently asked questions (FAQ) page** for more details.
Source	Synthetic

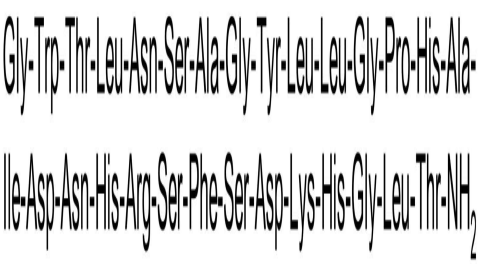
Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab141153 in the following tested applications.

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

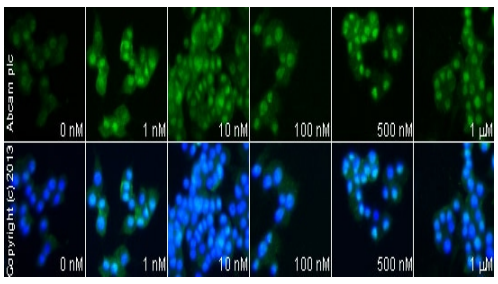
Application	Abreviews	Notes
Functional Studies		Use at an assay dependent concentration.

Images



Chemical Structure - Galanin (1-29) (rat, mouse), Galanin receptor agonist (ab141153)

2D chemical structure image of ab141153, Galanin (1-29) (rat, mouse), Galanin receptor agonist



Functional Studies - Galanin (1-29) (rat, mouse), Galanin receptor agonist (ab141153)

ab81283 staining AKT1 (phospho S473) in PC12 cells treated with galanin (1-29) (rat, mouse) (ab141153), by ICC/IF. Increase of AKT1 (phospho S473) expression correlates with increased concentration of galanin (1-29) (rat, mouse), as described in literature.

The cells were incubated at 37°C for 24h in media containing different concentrations of ab141153 (galanin (1-29) (rat, mouse)) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature 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 **ab81283** (1/100) dilution was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 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.

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