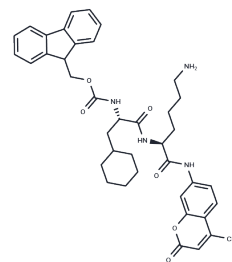


GALNON

Chemical Properties

CAS No. :	475115-35-6
Formula:	C40H46N4O6
Molecular Weight:	678.82
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Galnon is a galanin receptor agonist, improves intrinsic cortical bone tissue properties
Targets(IC50)	Neuropeptide Y Receptor
In vivo	Galnon has been characterized to inhibit seizures, decrease feeding behaviour, diminish physical signs of opiate withdrawal and to alleviate heat-hyperalgesic response to partial sciatic nerve injury[1]. Galnon, a GAL receptor agonist, may enhance osteoclastic bone resorption in OVX rats. Although galnon reduced bone volume, biomechanical testing revealed that bone of galnon-treated animals was mechanically superior per unit area. Taken together, galnon simultaneously improves the intrinsic quality of cortical bone whilst stimulating osteoclastic activity in the OVX rat model[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4731 mL	7.3657 mL	14.7314 mL
5 mM	0.2946 mL	1.4731 mL	2.9463 mL
10 mM	0.1473 mL	0.7366 mL	1.4731 mL
50 mM	0.0295 mL	0.1473 mL	0.2946 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Sollenberg U , Bartfai T , Langel U . Galnon - A low-molecular weight ligand of the galanin receptors[J].
Neuropeptides, 2005, 39(3):161-163.

Mcgowan H W , Schuijers J A , Grills B L , et al. Galnon, a galanin receptor agonist, improves intrinsic cortical bone tissue properties but exacerbates bone loss in an ovariectomised rat model.[J]. Journal of Musculoskeletal & Neuronal Interactions, 2014, 14(2):162.

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