

Product datasheet

SHU9119, Melanocortin 3 and 4 (MC₃ and MC₄) receptor antagonist ab141164

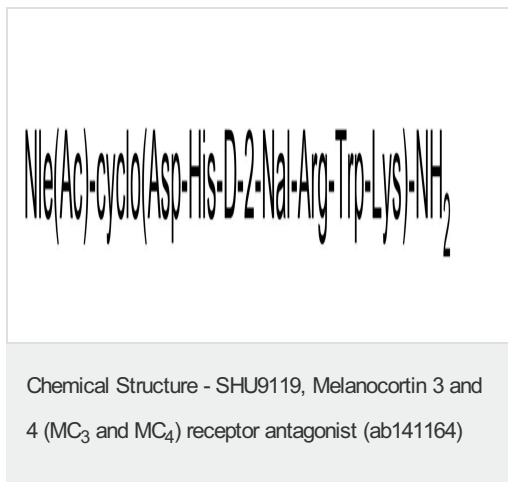
2 References 1 Image

Overview

Product name	SHU9119, Melanocortin 3 and 4 (MC ₃ and MC ₄) receptor antagonist
Description	Potent melanocortin 3 and 4 (MC ₃ and MC ₄) receptor antagonist
Biological description	Potent melanocortin 3 and 4 (MC ₃ and MC ₄) receptor antagonist (IC ₅₀ values are 0.23 and 0.06 nM, respectively). Also shows MC ₅ partial agonist activity (EC ₅₀ = 0.12 nM). Dose-dependently increases food intake following central administration.
Purity	> 95%
CAS Number	168482-23-3
Chemical structure	<chem>Nle(Ac)-cyclo(Asp-His-D-2-Nal-Arg-Trp-Lys)-NH2</chem>

Properties

Molecular weight	1074.25
Molecular formula	C ₅₄ H ₇₁ N ₁₅ O ₉
Sequence	XDHXRWK (Modifications: N-terminal acetyl; C-terminal amide; X-1 = D-2-Nal; X-4 = Nle; Cyclised: 2-7)
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	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



2D chemical structure image of ab141164, SHU9119, Melanocortin 3 and 4 (MC3 and MC4) receptor antagonist

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