


Product datasheet

CTAP, mu opioid antagonist ab120680

[1 References](#) [1 Image](#)

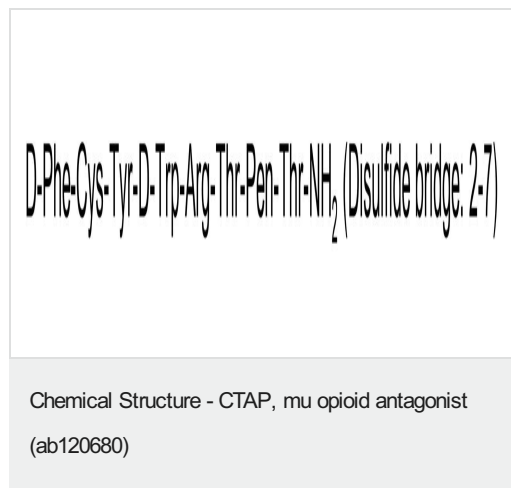
Overview

Product name	CTAP, mu opioid antagonist
Description	Potent, selective μ opioid antagonist
Biological description	Potent and selective μ opioid receptor antagonist (1200-fold more selective vs. δ receptor). Blood-brain barrier permeable and active <i>in vivo</i> . Antagonizes antinociceptive effect.
CAS Number	103429-32-9
Chemical structure	 D-Phe-Cys-Tyr-D-Trp-Arg-Thr-Pen-Thr-NH ₂ (Disulfide bridge: 2-7)

Properties

Molecular weight	1104.31
Molecular formula	C ₅₁ H ₆₉ N ₁₃ O ₁₁ S ₂
Sequence	FCYWRTXT (Modifications: C-terminal amide; X-7 = Pen; Phe-1 = D-Phr; Trp-4 = D-Trp; Disulfide bonds: 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	<p>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.</p> <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 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.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
Source	Synthetic

Images



2D chemical structure image of ab120680, CTAP, mu opioid antagonist

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