

## Crobenetine

## Chemical Properties

CAS No. : 221019-25-6

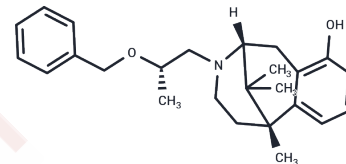
Formula: C<sub>25</sub>H<sub>33</sub>NO<sub>2</sub>

Molecular Weight: 379.54

Store at low temperature

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	Crobenetine (BIII 890 CL) Free Base is a selective NaV channel blocker that eliminates VTD-induced [Ca <sup>2+</sup> ] elevation.
Targets(IC <sub>50</sub> )	Calcium Channel,Sodium Channel

## Solubility Information

Solubility	DMSO: 50 mg/mL (131.74 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6348 mL	13.1738 mL	26.3477 mL
5 mM	0.527 mL	2.6348 mL	5.2695 mL
10 mM	0.2635 mL	1.3174 mL	2.6348 mL
50 mM	0.0527 mL	0.2635 mL	0.527 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

Laird JM, et al. Analgesic activity of a novel use-dependent sodium channel blocker, crobenetine, in mono-arthritic rats. Br J Pharmacol. 2001 Dec;134(8):1742-8.

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