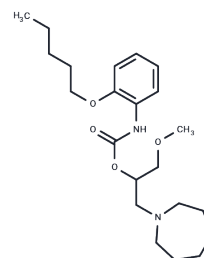


BK 129

## Chemical Properties

CAS No. : 105919-73-1  
 Formula: C<sub>22</sub>H<sub>36</sub>N<sub>2</sub>O<sub>4</sub>  
 Molecular Weight: 392.53  
 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	BK 129 is a local anesthetic with relaxant properties. BK 129 inhibits Ca <sup>2+</sup> entry into the smooth muscle cell and Ca <sup>2+</sup> release from sarcoplasmic reticulum.
Targets(IC50)	Others, Calcium Channel

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5476 mL	12.7379 mL	25.4758 mL
5 mM	0.5095 mL	2.5476 mL	5.0952 mL
10 mM	0.2548 mL	1.2738 mL	2.5476 mL
50 mM	0.051 mL	0.2548 mL	0.5095 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

- Sotníková R. Effect of a new antiarrhythmic BK 129 on canine vascular smooth muscle in vitro. *Methods Find Exp Clin Pharmacol.* 1992 Apr;14(3):175-81. PubMed PMID: 1625501.
- Gibala P, Sotníková R, Knezl V, Drímal J. Antiarrhythmic activity of the hydrochloride of 1-methoxymethyl-2-(1-perhydroazepinyl)ethyl ester of 2-(n)-pentyloxycarbanilic acid. *Arzneimittelforschung.* 1987 Feb;37(2):149-52. PubMed PMID: 3580018.
- Gibala P, Sotníková R, Knezl V, Drímal J. Cardiac electrophysiologic actions of the hydrochloride of 1-methoxymethyl-2-(1-perhydroazepinyl)ethyl ester of 2-(n)-pentyloxycarbanilic acid in the anesthetized dog. *Arzneimittelforschung.* 1987 Mar;37(3):326-8. PubMed PMID: 3593445.
- Stolc S. Inhibition of ion currents in membrane of sensory neuron by the antiarrhythmic drug BK 129 and selected Ca<sup>2+</sup> entry blockers. *Gen Physiol Biophys.* 1993 Dec;12(6):517-31. Erratum in: *Gen Physiol Biophys* 1994 Aug;13(4):339. PubMed PMID: 8070644.

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