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DATASHEET

Cesium methanesulfonate (CsMeSo3)

Product overview

Name	Cesium methanesulfonate (CsMeSo3)
Cat No	HB8497
Biological action	Buffer
Purity	>98%
Description	Used in internal/ intracellular solutions for patch clamp electrophysiology

Biological Data

Biological description	Used in internal/ intracellular solutions for patch clamp electrophysiology. Blocks K ⁺ channels to act as a current carrier while methanesulfonate is not transported through Cl ⁻ channels.
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Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in water
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

Chemical Data

Molecular Weight	228
Molecular Formula	CH ₃ CsO ₃ S
CAS Number	2550-61-0
PubChem identifier	5148066
SMILES	CS(=O)(=O)[O-].[Cs+]
InChi	InChI=1S/CH4O3S.Cs/c1-5(2,3)4;/h1H3,(H,2,3,4);/q;+1/p-1
InChiKey	DJKJXRLREATOMF-UHFFFAOYSA-M

References

Common components of patch-clamp internal recording solutions can significantly affect protein kinase A activity.

Vargas G et al (1999) Brain research 828

PubMedID [10320738](#)
