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## DATASHEET

### Cesium methanesulfonate (CsMeSo3)

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#### Product overview

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

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#### Biological Data

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

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

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#### Chemical Data

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

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#### 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](#)

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