

BMOV

Chemical Properties

CAS No.:	38213-69-3
Formula:	C ₁₂ H ₁₀ O ₇ V
Molecular Weight:	317.15
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	BMOV is a potent oral vanadium compound with insulin-mimicking effects and anti-diabetic properties .BMOV is shown to improve cardiac dysfunctions in diabetic models.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.153 mL	15.765 mL	31.531 mL
5 mM	0.631 mL	3.153 mL	6.306 mL
10 mM	0.315 mL	1.577 mL	3.153 mL
50 mM	0.063 mL	0.315 mL	0.631 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Cong XQ, et al. Biol Trace Elem Res. 2016 Oct;173(2):390-8.

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