

BFMO (biogenic Fe-Mn oxides)

Chemical Properties

CAS No.:	69010-90-8
Formula:	C ₁₂ H ₁₂ N ₂ O ₄
Molecular Weight:	248.23
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	BFMO (biogenic Fe-Mn oxides, defined as a biogenic Mn oxide (BMO) and Fe oxide mixture) could eliminate or decrease As(III&V), Mn(II), and Fe(II) species simultaneously, and can be used for As removal from water containing high concentrations of Fe(II) and Mn(II).
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	4.029 mL	20.143 mL	40.285 mL
5 mM	0.806 mL	4.029 mL	8.057 mL
10 mM	0.403 mL	2.014 mL	4.029 mL
50 mM	0.081 mL	0.403 mL	0.806 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.

Inhibitors · Natural Compounds · Compound Libraries

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