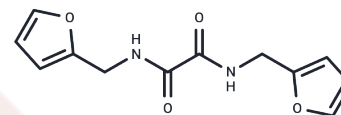


## BFMO (biogenic Fe-Mn oxides)

## Chemical Properties

CAS No. : 69010-90-8  
 Formula: C<sub>12</sub>H<sub>12</sub>N<sub>2</sub>O<sub>4</sub>  
 Molecular Weight: 248.23  
 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	BFMO (biogenic Fe-Mn oxides) (N,N'-Difurfuryloxamide) could eliminate or decrease Fe (II), Mn(II), and As(III&V) species simultaneously. Moreover, BFMO (biogenic Fe-Mn oxides) can be used for As removal from water containing high concentrations of Fe(II) and Mn(II).
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 60 mg/mL (241.71 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0285 mL	20.1426 mL	40.2852 mL
5 mM	0.8057 mL	4.0285 mL	8.057 mL
10 mM	0.4029 mL	2.0143 mL	4.0285 mL
50 mM	0.0806 mL	0.4029 mL	0.8057 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

Yang X, et al. A Bimetallic Fe-Mn Oxide-Activated Oxone for In Situ Chemical Oxidation (ISCO) of Trichloroethylene in Groundwater: Efficiency, Sustained Activity, and Mechanism Investigation. Environ Sci Technol. 2020 Mar 17;54(6):3714-3724.

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