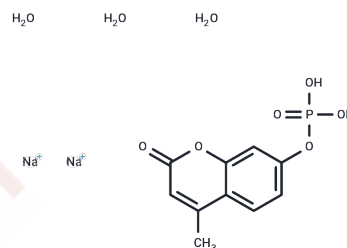


## 4-Methylumbelliferyl phosphate disodium

### Chemical Properties

CAS No. :	22919-26-2
Formula:	C <sub>10</sub> H <sub>7</sub> Na <sub>2</sub> O <sub>6</sub> P
Molecular Weight:	300.11
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



### Biological Description

Description	4-Methylumbelliferyl phosphate disodium (4-MUP), an anionic organophosphate, serves as a fluorogenic substrate for acid and alkaline phosphatases. Additionally, this compound acts as a simulant for nerve agents [1] [2] [3].
Targets(IC50)	Others,Phosphatase

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3321 mL	16.6606 mL	33.3211 mL
5 mM	0.6664 mL	3.3321 mL	6.6642 mL
10 mM	0.3332 mL	1.6661 mL	3.3321 mL
50 mM	0.0666 mL	0.3332 mL	0.6664 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.

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