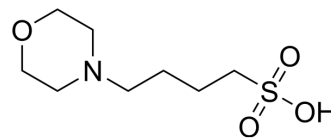


## MOBS

Cat. No.:	HY-W127629
CAS No.:	115724-21-5
Molecular Formula:	C <sub>8</sub> H <sub>17</sub> NO <sub>4</sub> S
Molecular Weight:	223.29
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 125 mg/mL (559.81 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.4785 mL	22.3924 mL	44.7848 mL
	5 mM	0.8957 mL	4.4785 mL	8.9570 mL
	10 mM	0.4478 mL	2.2392 mL	4.4785 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

MOBS is an amphoteric buffer, a butane analogue of the Good buffers MOPS [3-(N-morpholino) propanesulfonic acid] and MES [2-(N-morpholino) ethanesulfonic acid]<sup>[1]</sup>.

### REFERENCES

[1]. Rabindra N. Roy, et al. Buffer Standards for the Physiological pH of Zwitterionic Compounds, MOBS and TABS from 5 to 55°C. Journal of Solution Chemistry volume 33, pages1199–1211.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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