

MOPS**Morpholinopropanesulfonic acid; 3-(N-Morpholino)propanesulfonic acid****High purity. Molecular Biology Grade****Ref. EU0034**

MOPS free acid is a biological buffer (zwitterionic) designed by Good et al., and typically referred to as Good's buffer useful in cell culture media formulations. Selection of biological buffer systems should include the following criteria: exclusion by biological membranes, low absorption between 240 and 700 nm, chemically stable, and stable to temperature and concentrations changes

Lot N°:	OB231020
CAS N°:	[1132-61-2]
Formula:	C ₇ H ₁₅ N O ₄ S
MW:	209.3
Purity:	>99.0 % 100.27 % (lot analysis)
Appearance:	White crystalline powder
Solubility (10%):	Clear, colorless and complete
pH_(1%,water):	3.60 (1M aq.)
Absorbance:	0.024 _{260nm} (1M aq.) 0.017 _{280nm} (1M aq.)
Loss on drying:	0.31 % (110°C)
Heavy metals:	<5 ppm
Storage:	Store at room temperature. Protect from moisture
Handling/Safety:	Avoid contact with eyes, skin and clothing. Not classified.

Intended for research use only, not for use in human, therapeutic or diagnostic applications