



Product Information Sheet

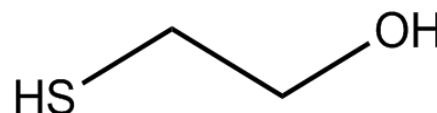
M649

β-Mercaptoethanol

Synonyms: 2-mercaptoethanol, 2-Me, βME, 2-thioethanol, 2-Hydroxyethyl-mercaptan
CAS: 60-24-2
Formula: CH₆SO
Mol. Weight: 78.13 g/mol

Properties

Form: Liquid
Appearance: Clear, Colorless
Application: Molecular Biology
Solubility: Miscible with Water
Storage Temp: Room Temperature
Typical Working Concentration: Varies by application. Concentration should be determined by end user.
Other Notes:



Application Notes

This product is often supplemented to plant DNA extraction buffers to limit the oxidation of polyphenols, which when oxidized can interact with DNA (Peterson et al. 1997). This product also reduces disulfide bonds in proteins/peptides.

References

Peterson, D.G., Boehm, K.S., and S.M. Stack (1997) *Plant Molecular Biology Reporter* 15(2):148-153.
Merck 13 5894.