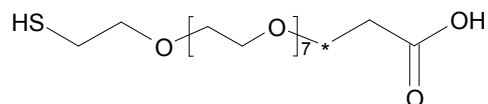


RAMIDUS AB

Certificate of analysis

Substance: 3-[2-Mercaptoethoxy-hepta(ethyleneoxy)]-propionic acid



Molecular formula: C₁₉H₃₈O₁₀S

Molecular weight: 458.6

Batchnr: DL07-2096

Appearance: Clear liquid

Identity: HPLC (retention time)

Chemical purity: 99 % (HPLC, ELS detection)

Oligomer purity: > 95 %

Lund 5 March 2017

Hans Holmberg