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The invention relates to the field of metal protection against corrosion in water and can be used for corrosion inhibition in closed steel pipeline systems.

According to the invention, use of tetraacetate-di-(1,2-cyclohexanedionedioxi-me)-di-aqua-(μ_2 -4,4'-dipyridyl)-di-zinc(II) compound of formula $[Zn_2(CH_3COO)_4(NioxH_2)_2(dpy)(H_2O)_2]$ is claimed, where $NioxH_2$ – 1,2-cyclohexanedionedioxime, dpy – 4,4'-dipyridyl, as an inhibitor of steel corrosion in water, in a concentration of 0.05...1.0 g/l.

Claims: 1