

论文

二磺酸儿茶酚及其钠盐对酒石酸锑钾毒性及疗效的影响

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摘要:

关键词:

THE EFFECT OF 1,2-DIHYDROXY BENZENE 3,5-DISULPHONIC ACID AND ITS SODIUM SALT ON THE TOXICITY AND THE THERAPEUTIC EFFECT OF TARTAR EMETIC

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Abstract:

By single intraperitoneal injection to wwhite mice, the LD<sub>50</sub> of tartar emetic, 1,2-dihydroxy benzene 3,5-disulphonic acid and its sodium salt were found to be 0.8, 101.5, and 145.1 mg/20g respectively. When 1,2-dihydroxy benzene 3,5-disulphonic acid or its sodium salt was injected intraperitoneally into mice immediately after the administration of tartar emetic, the toxicity of the latter is markedly reduced. The LD<sub>50</sub> of tartar emetic could be raised from 0.8 to 10.6 mg/20 g. The antidotal effect of the two drugs against tartar emetic was evident. The compound 1,2-dihydroxy benzene 3,5-disulphonic acid can protect guinea-pig against the local irritation induced by tartar emetic. The therapeutic activity of tartar emetic against Schistosomiasis japonica in mice was diminished by Na-1,2-dihydroxy benzene 3,5-disulphonate. At the dosage of 8.0 mg/20g Na-1,2-dihydroxy benzene 3,5-disulphonate would render the tartar emetic at the dosage of 0.4mg/20g completcly ineffective.

Keywords:

收稿日期 1961-08-30 修回日期 网络版发布日期

DOI:

基金项目:

通讯作者:

作者简介:

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