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Gitoxin,

$C_{41}H_{64}O_{14}$ 780.94 CAS RN[®]: 4562-36-1.—White, crystalline powder. Practically insoluble in water, in chloroform, and in ether; slightly soluble in pyridine and in diluted alcohol. Melts at about 250°, with decomposition.

SPECIFIC ROTATION (781): between +3.8° and +4.8°, determined in a solution of pyridine containing 10 mg per mL, with the use of a mercury light at 546.1 nm; between +21° and +25°, determined in a solution of equal parts of chloroform and methanol containing 5 mg per mL, with the use of sodium light.

Suitability: Dissolve 10 mg each of [USP Digitoxin RS](#), previously dried, [USP Digoxin RS](#), previously dried, and gitoxin, respectively, in separate 5-mL portions of a mixture of 2 parts of chloroform and 1 part of methanol, and dilute each with additional solvent mixture to 10 mL. Then proceed as directed in the *Identification test* under [Digoxin](#). The chromatogram of gitoxin shows one fluorescent spot, located between the digoxin and digitoxin spots.

Auxiliary Information - Please [check for your question in the FAQs](#) before contacting USP.

Topic/Question	Contact	Expert Committee
GITOXIN	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

Most Recently Appeared In:

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