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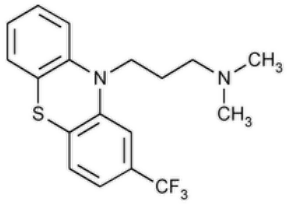
Trifluprомazine



$C_{18}H_{19}F_3N_2S$ 352.42

10*H*-Phenothiazine-10-propanamine, *N*,*N*-dimethyl-2-(trifluoromethyl)-.

10-3-(Dimethylamino)propyl-2-(trifluoro methyl)phenothiazine CAS RN®: 146-54-3; UNII: RO16TQF95Y.

» Trifluprомazine contains not less than 97.0 percent and not more than 103.0 percent of $C_{18}H_{19}F_3N_2S$.

Packaging and storage—Preserve in tight, light-resistant containers.

USP Reference standards ⟨11⟩—
USP Trifluprомazine Hydrochloride RS

[Note—Throughout the following procedures, protect test or assay specimens, the Reference Standard, and solutions containing them, by conducting the procedures without delay, under subdued light, or using low-actinic glassware.]

Identification—

A: It meets the requirements under *Identification—Organic Nitrogenous Bases* ⟨181⟩, USP Trifluprомazine Hydrochloride RS being used, and 0.01 N hydrochloric acid being used in place of water to dissolve the specimen.

Change to read:

B: ▲*Spectroscopic Identification Tests* ⟨197⟩*, Ultraviolet-Visible Spectroscopy: 197U*▲ (CN 1-May-2020) —

Solution: 7 µg per mL.

Medium: 0.5 N sulfuric acid.

Absorptivities at 255 nm do not differ by more than 3.0%.

Residue on ignition ⟨281⟩: not more than 0.2%.

Ordinary impurities ⟨466⟩—

Test solution: acetone.

Standard solution: acetone.

Eluant: a mixture of chloroform and methanol (4:1).

Visualization: 1.

Assay—Dissolve about 800 mg of Trifluprомazine, accurately weighed, in 100 mL of glacial acetic acid. Add crystal violet TS, and titrate with 0.1 N perchloric acid VS to a blue endpoint. Perform a blank determination, and make any necessary correction. Each mL of 0.1 N perchloric acid is equivalent to 35.24 mg of $C_{18}H_{19}F_3N_2S$.

Auxiliary Information - Please check for your question in the FAQs before contacting USP.

Topic/Question	Contact	Expert Committee
TRIFLUPROMAZINE	Documentary Standards Support	SM42020 Small Molecules 4
REFERENCE STANDARD SUPPORT	RS Technical Services RSTECH@usp.org	SM42020 Small Molecules 4

Chromatographic Database Information: Chromatographic Database

Most Recently Appeared In:
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