



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-207642

Lot Number: G3115

Product Name: Estrone 3-sulfate sodium salt

CAS Number: 438-67-5

Molecular Formula: $C_{18}H_{21}O_5S \cdot Na$

Molecular Weight: 372.41

Test	Result
Appearance	White powder
Purity (TLC)	$\geq 98\%$ (one spot homogenous)
Melting Point	270 - 275 °C (dec.)
Optical Rotation	+117°
Impurity	0.92% (Free estrone)

Test Conditions

Optical Rotation Conditions: MeOH, 1: 1, H₂O

TLC Conditions: Last solvent: methanol: water = 1: 1; Solvent system: R_f = 0.36 (Hexane: Ethyl acetate: Acetic acid = 18: 6: 1); TLC examined under UV; TLC visualized by pTSA/Iodine

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