



TECHNICAL DOCUMENTATION

Revision: 12.09.2007

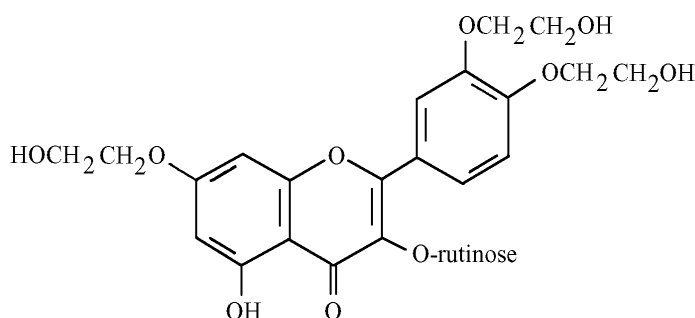
TROXERUTIN (EP 6)

FORMULA: $C_{33}H_{42}O_{19}$

IUPAC NAME: 2-[3,4-Bis(2-Hydroxyethoxy)phenyl]-3-[[6-O-(6-deoxy- α -L-mannopyranosyl)- β -D-glucopyranosyl]oxy]-5-hydroxy-7-(2-hydroxyethoxy)-4H-1-benzopyran-4-one

SYNONYMS: 7, 3', 4' - tris[O-(2-hydroxyethyl)] rutin, trioxyethylrutin, trihydroxyethylrutoside.

STRUCTURAL FORMULA:



MOLECULAR WEIGHT: 742,70

C.A.S. REGISTRY NUMBER: 7085-55-4

TECHNICAL DESCRIPTION:

APPEARANCE:	Yellowish-green crystalline powder, Hygroscopic	RESIDUAL SOLVENTS:	Ethylene glycol : $\leq 0.15\%$ Isopropanol : $\leq 0.75\%$
SOLUBILITY:	Freely soluble in water, slightly soluble in ethanol, practically insoluble in methylene chloride	HEAVY METALS:	Max. 20 ppm
IDENTITY:	HPLC IR	ISOMER CONTENT:	trisHYDROXYETHYL: $\geq 80\%$ bisHYDROXYETHYL: $\leq 5\%$ tetraHYDROXYETHYL: $\leq 10\%$
LOSS ON DRYING:	Max. 5.0 %		
SULPHATED ASH:	Max. 0.4 %		
ASSAY:		MICROBIOLOGY:	Complies with EP
UV assay	Between 95.0 and 105.0 %	STORAGE:	Sealed container and protected from light

PRODUCT APPLICATIONS: Troxerutin is a derivative of the natural bioflavonoid Rutin extracted from *Sophora japonica* (Japanese pagoda tree). Common usage is in the treatment of varicose veins and haemorrhoids. Troxerutin may also act to improve capillary function, reduce capillary fragility and reduce abnormal leakage. Applications also exist for reducing the occurrence of night cramps and other circulatory problems.

THERAPEUTIC CATEGORY: Vasoprotectant, Tonic of vein-system.

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