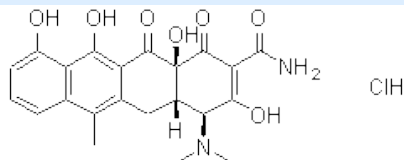



Anhydrotetracycline hydrochloride

Synonyms:	-
Molecular Formula:	C ₂₂ H ₂₂ N ₂ O ₇ ·HCl
Formula Weight:	462.88



Registry number:	13803-65-1
MDL number:	MFCD00151453
Melting point:	223 °C
alpha:	-264° (c=0.5, H ₂ O)

Acros Organics			
Name and purity	Qty / UM	Catalog	Price (USD)
Anhydrotetracycline hydrochloride , 'can be used as a secondary standard'	100 MG	233131000	
Specifications	500 MG	233135000	

Hazard Symbol	
Xn	 Harmful

Risk Description	
R36	Irritating to eyes.
R63	Possible risk of harm to the unborn child.

Safety Description	
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.

IR	
Analysis	Result
Miscellaneous	618 (55.37); 1071 (54.85); 1137 (50); 1241 (45.88); 1339 (47.23); 1370 (45.4); 1399 (34.63); 1438 (47.36); 1459 (48.08); 1569 (27.42); 1615 (23.66); 1641 (26.02); 2963 (50.61); 3065 (39.43); 3093 (39.74); 3181 (41.26); 3316 (41.31); 3412 (49.44)

Miscellaneous information	
Reference: Journals	Separation of tetracycline and related substances by high-performance liquid chromatography on poly (styrene-divinyl- benzene): K. Wolfs et al.; Journal of Chromatography, 358, 444-447 (1986), and references cited therein. Analysis of purified samples of the hydrochloride salt of tetracycline, 4-epitetracycline, anhydrotetracycline and 4-epianhydrotetracycline: Naeem Hasan Khan et al.; Janssen Chimica Acta 8, 3, 26-30 (1990). Analysis of purified samples of oxytetracycline, 4-epioxytetracycline, alpha-apooxytetracycline and beta-apooxytetracycline: Naeem Hasan Khan et al.; Janssen Chimica Acta 10, 3, 16-21 (1992).
2D Molfile	Get the molfile
Origin	other
Solubility	Solubility in water: 5 g/L Solubility in other solvents: 50 g/L methanol