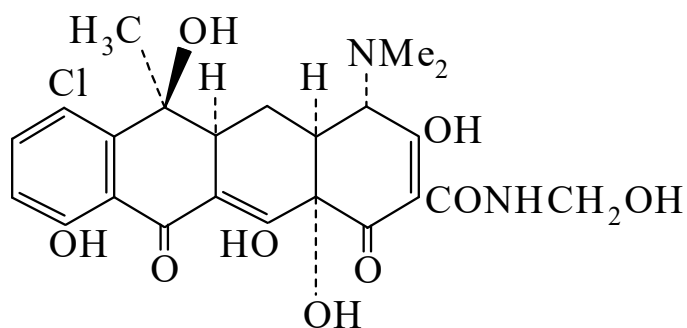




>>Entry Name: Clomocycline, BAN, INN

Synonym(s): Chlormethylenecycline. *N*<sup>2</sup>-(Hydroxymethyl)chlorotetracycline. Megaclor



CAS Registry Number: 1181-54-0

Molecular Formula: C<sub>23</sub>H<sub>25</sub>ClN<sub>2</sub>O<sub>9</sub>

Molecular Weight: 508.911

Accurate Mass: 508.12486

Percentage Composition: C 54.28%; H 4.95%; Cl 6.97%; N 5.50%; O 28.29%

General Statement: Semisynthetic tetracycline

Source/Synthesis: Prepared from Aureomycin [CKR88-Y](#) by reaction with formaldehyde

Use/Importance: Biol. props. similar to Chlorotetracycline

Physical Description: Yellow solid

Melting Point: Mp 145-170 dec.°

Calculated Log P Data: Log P -1.03 (uncertain value) (calc)

#### References:

Banci, F. *et al.*, *Boll. Chim. Farm.*, 1963, **102**, 471, (*props*)

*Belg. Pat.*, 1964, 628 142; *CA*, **60**, 15805, (*synth*)

Tubaro, E. *et al.*, *Arzneim.-Forsch.*, 1964, **5**, 95, (*pharmacol*)

*Martindale, The Extra Pharmacopoeia*, 28th/29th edn., *Pharmaceutical Press*, 1982, 58; 59

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., *Van Nostrand Reinhold*, 1992, MND500