

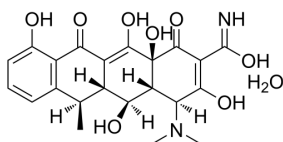
Doxycycline (monohydrate)

Cat. No.: HY-W008923
 CAS No.: 17086-28-1
 Batch No.: 309426
 Chemical Name: 2-Naphthacenecarboxamide, 4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,5,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, hydrate (1:1), (4S,4aR,5S,5aR,6R,12aS)-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: $C_{22}H_{26}N_2O_9$
 Molecular Weight: 462.45
 Storage: 4°C, sealed storage, away from moisture
 * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

Chemical Structure:



ANALYTICAL DATA

Appearance: Off-white to light brown (Solid)
 1H NMR Spectrum: Consistent with structure
 MS: Consistent with structure
 Purity (HPLC): 96.33%
 Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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