

Certificate of Analysis

Glycochenodeoxycholic acid

5ß-cholanic acid-3α,7α-diol N-(carboxymethyl)-amide

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 $\begin{array}{lll} \mbox{Molecular Weight} & 449.63 \\ \mbox{Chemical Formula} & C_{26}\mbox{H}_{43}\mbox{NO}_5 \\ \mbox{Physical State} & \mbox{Powder} \\ \mbox{Storage} & -20\mbox{°C} \end{array}$

Expiration Date One year from date of receipt

M Lot Number 6841PIG010

Avanti Lot Number 700266P-10MG-G-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder : White solid which contains no foreign matter	Pass
TLC (7:3 Chloroform: Methanol)	>99% Purity Ninhydrin: negative lodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Carbon NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-H] ⁻ = 448.63 ± 1 amu	[M-H] ⁻ = 448.3 amu

Approved By:

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