

## Certificate of Analysis

## Tauro-y-muricholic acid

5ß-cholanic acid- $3\alpha$ , $6\alpha$ , $7\alpha$ -triol N-(2-sulphoethyl)-amide, sodium salt

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Molecular Weight 537.69

Chemical Formula C<sub>26</sub>H<sub>44</sub>NNaO<sub>7</sub>S

Physical State Powder Storage -20°C

**Expiration Date** One year from date of receipt

M Lot Number 6877PGC010

Avanti Lot Number 700246P-1MG-C-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder</b> : White solid which contains no foreign matter	Pass
TLC	>99% Purity Ninhydrin spray: negative lodine: one major spot Phosphorus: negative Charring: negative 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-Na] <sup>-</sup> = 514.69 ± 1 amu	[M-H] <sup>-</sup> = 514.5 amu

Approved By:

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