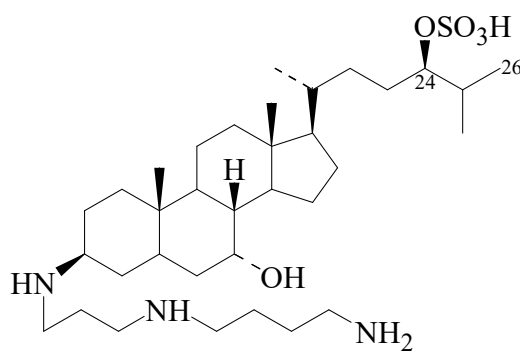




>>Entry Name: Squalamine



CAS Registry Number: 148717-90-2

Molecular Formula: C<sub>34</sub>H<sub>65</sub>N<sub>3</sub>O<sub>5</sub>S

Molecular Weight: 627.971

Accurate Mass: 627.464492

Percentage Composition: C 65.03%; H 10.43%; N 6.69%; O 12.74%; S 5.11%

Biological Source: Constit. of *Squalus acanthias*

Biological Use/Importance: Active against gram-positive and -negative bacteria. Broad-spectrum steroidal antibiotic. Inhibits angiogenesis and solid tumour growth

Development Status: Currently (2000) in Phase II clinical trials

Solubility: BERDY SOL: Sol. H<sub>2</sub>O, MeOH

UV: [neutral] λ<sub>max</sub> (MeOH) (Berdy)

>>Derivative: N<sup>ω</sup>-(3-Aminopropyl)

Synonym(s): 7'-N-(3-Aminopropyl)squalamine. MSI 1436

CAS Registry Number: 186139-09-3

Molecular Formula: C<sub>37</sub>H<sub>72</sub>N<sub>4</sub>O<sub>5</sub>S

Molecular Weight: 685.066

Accurate Mass: 684.522341

Percentage Composition: C 64.87%; H 10.59%; N 8.18%; O 11.68%; S 4.68%

Biological Source: Constit. of liver of *Squalus acanthias*

Physical Description: Powder

>>Derivative: 24-O-Desulfo, 26-sulfooxy

CAS Registry Number: 259173-54-1

Molecular Formula: C<sub>34</sub>H<sub>65</sub>N<sub>3</sub>O<sub>6</sub>S

Molecular Weight: 643.97

Accurate Mass: 643.459407

Percentage Composition: C 63.42%; H 10.17%; N 6.53%; O 14.91%; S 4.98%

Biological Source: Constit. of liver of *Squalus acanthias*

Physical Description: Powder

>>Derivative: 24-Desulfo, 24-ketone, 26-sulfooxy

CAS Registry Number: 232613-79-5

Molecular Formula: C<sub>34</sub>H<sub>63</sub>N<sub>3</sub>O<sub>6</sub>S

Molecular Weight: 641.954

Accurate Mass: 641.443757

Percentage Composition: C 63.61%; H 9.89%; N 6.55%; O 14.95%; S 5.00%

Biological Source: Constit. of liver of *Squalus acanthias*

Physical Description: Powder

>>Derivative: 24-Desulfo, 24-ketone, 26-(2-amino-2-carboxyethylthio)

CAS Registry Number: 259173-51-8

Molecular Formula: C<sub>37</sub>H<sub>68</sub>N<sub>4</sub>O<sub>4</sub>S

Molecular Weight: 665.035

Accurate Mass: 664.496126

Percentage Composition: C 66.82%; H 10.31%; N 8.42%; O 9.62%; S 4.82%

Biological Source: Constit. of the liver of the dogfish shark *Squalus acanthias*

Physical Description: Powder