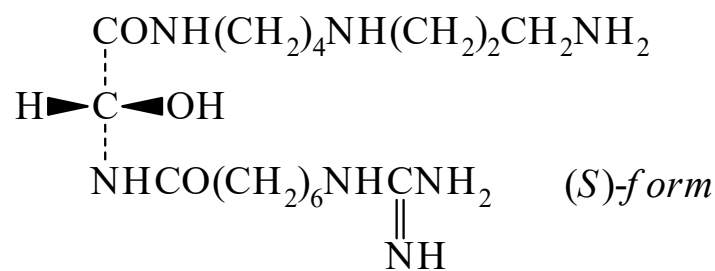




>>Entry Name: Gusperimus, INN

Synonym(s): 7-[(Aminoiminomethyl)amino]-N-[2-[[4-[(3-aminopropyl)amino]butyl]amino]-1-hydroxy-2-oxoethyl]heptanamide, 9Cl. N-[[[4-[(3-Aminopropyl)amino]butyl]carbamoyl]hydroxymethyl]-7-guanidinoheptanamide. 1-Amino-19-guanidino-11-hydroxy-4,9,12-triazanonadecane-10,13-dione. 15-Deoxyspergualin. 15-DSG. Spanidin



CAS Registry Number: 98629-43-7

Related CAS Registry Numbers(s): 114760-38-2

Molecular Formula: C₁₇H₃₇N₇O₃

Molecular Weight: 387.524

Accurate Mass: 387.295788

Percentage Composition: C 52.69%; H 9.62%; N 25.30%; O 12.39%

Biological Source: Isol. from *Bacillus laterosporus*

Biological Use/Importance: Immunosuppressant used clinically in kidney transplantation, antineoplastic agent. Angiogenesis inhibitor

Development Status: Launched 1994 (Japan)

Calculated Log P Data: Log P -3 (calc)

UV: [neutral] λ_{max} 0 (end) (ε) (H₂O) (Derep)

>>Variant: (S)-form

CAS Registry Number: 89149-10-0

Molecular Formula: C₁₇H₃₇N₇O₃

Molecular Weight: 387.524

Accurate Mass: 387.295788

Percentage Composition: C 52.69%; H 9.62%; N 25.30%; O 12.39%

Optical Rotation: [α]_D -14.3 (c, 1 in H₂O)

>>Derivative: Hydrochloride (1:3)

CAS Registry Number: 84937-45-1

Physical Description: Syrup

Optical Rotation: [α]_D²⁵ -7.3 (c, 1 in H₂O)

>>Variant: (±)-form

CAS Registry Number: 104317-84-2

Molecular Formula: C₁₇H₃₇N₇O₃

Molecular Weight: 387.524

Accurate Mass: 387.295788

Percentage Composition: C 52.69%; H 9.62%; N 25.30%; O 12.39%

>>Derivative: Hydrochloride (1:3)

Synonym(s): Gusperimus trihydrochloride, USAN. BMS 181173. NKT 01. BMY 42215-1. NSC 356894

CAS Registry Number: 85468-01-5

References: