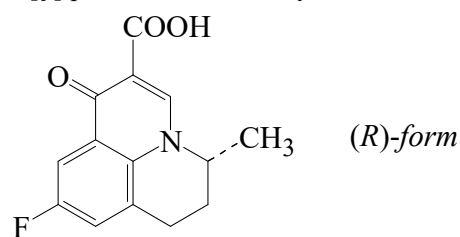




>>Entry Name: **Flumequine**, BAN, INN, USAN

Synonym(s): 9-Fluoro-6,7-dihydro-5-methyl-1-oxo-1*H*,5*H*-benzo[*ij*]quinolizine-2-carboxylic acid, 9Cl. Apurone. Flumural. Imequyl. Uribact. R 802. Flumix



CAS Registry Number: 42835-25-6

Molecular Formula: C₁₄H₁₂FNO₃

Molecular Weight: 261.252

Accurate Mass: 261.080122

Percentage Composition: C 64.36%; H 4.63%; F 7.27%; N 5.36%; O 18.37%

Biological Use/Importance: Antibacterial agent

Sigma: F7016

>>Variant: (*R*)-form

CAS Registry Number: 215178-95-3

Molecular Formula: C₁₄H₁₂FNO₃

Molecular Weight: 261.252

Accurate Mass: 261.080122

Percentage Composition: C 64.36%; H 4.63%; F 7.27%; N 5.36%; O 18.37%

Melting Point: Mp 247-250°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +48.9$ (c, 0.21 in DMF) (>98% ee)

>>Variant: (*S*)-form

CAS Registry Number: 202349-45-9

Molecular Formula: C₁₄H₁₂FNO₃

Molecular Weight: 261.252

Accurate Mass: 261.080122

Percentage Composition: C 64.36%; H 4.63%; F 7.27%; N 5.36%; O 18.37%

Melting Point: Mp 246-249°

Optical Rotation: $[\alpha]_{\text{D}}^{20} -48.6$ (c, 0.21 in DMF) (>98% ee)

>>Variant: (±)-form

CAS Registry Number: 143984-63-8

Molecular Formula: C₁₄H₁₂FNO₃

Molecular Weight: 261.252

Accurate Mass: 261.080122

Percentage Composition: C 64.36%; H 4.63%; F 7.27%; N 5.36%; O 18.37%

Physical Description: Cryst. (DMF)

Melting Point: Mp 253-255°

Calculated Log P Data: Log P 1.89 (calc)

References:

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