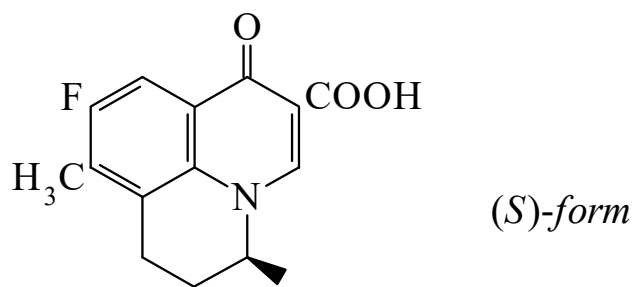




>>Entry Name: **Ibafloxacin**, BAN, INN, USAN

Synonym(s): 9-Fluoro-6,7-dihydro-5,8-dimethyl-1-oxo-1*H*,5*H*-benzo[*i,j*]quinolizine-2-carboxylic acid, 9Cl. S 25930. R 835



CAS Registry Number: 91618-36-9

Related CAS Registry Numbers(s): 107298-27-1

Molecular Formula: C₁₅H₁₄FNO₃

Molecular Weight: 275.279

Accurate Mass: 275.095772

Percentage Composition: C 65.45%; H 5.13%; F 6.90%; N 5.09%; O 17.44%

Use/Importance: Antibacterial agent

Calculated Log P Data: Log P 2.39 (calc)

>>Variant: (*S*)-form

CAS Registry Number: 107298-26-0

Molecular Formula: C₁₅H₁₄FNO₃

Molecular Weight: 275.279

Accurate Mass: 275.095772

Percentage Composition: C 65.45%; H 5.13%; F 6.90%; N 5.09%; O 17.44%

Physical Description: Cryst. (DMF)

Melting Point: Mp 274-276°

Optical Rotation: [α]_D -107.4 (dichloroethane)

References:

Eur. Pat., 1984, *Riker Lab*, 109 284; *CA*, **101**, 110764, (*synth*)

Neu, H.C. *et al.*, *J. Antimicrob. Chemother.*, 1987, **19**, 175, (*pharmacol*)

Gerster, J.F. *et al.*, *J. Med. Chem.*, 1987, **30**, 839, (*synth, resoln, abs config, pharmacol*)

Rolston, K.V. *et al.*, *Eur. J. Clin. Microbiol.*, 1988, **7**, 681, (*activity*)

Miller, A.L. *et al.*, *J. Liq. Chromatogr.*, 1990, **13**, 3507, (*hplc*)