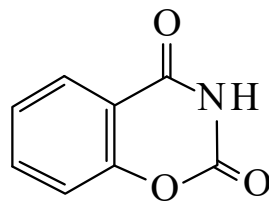




>>Entry Name: **2*H*-1,3-Benzoxazine-2,4(3*H*)-dione**

Synonym(s): *O*-Carbamoylsalicylic acid lactam. **Carsalam**, BAN, INN. Beaprine. Oxophenhydroxazine



CAS Registry Number: 2037-95-8

Molecular Formula: C₈H₅NO₃

Molecular Weight: 163.132

Accurate Mass: 163.026944

Percentage Composition: C 58.90%; H 3.09%; N 8.59%; O 29.42%

Use/Importance: Analgesic

Physical Description: Cryst. (Me₂CO/EtOH)

Development Status: Never marketed

Melting Point: Mp 229-230° (226-228°)

Hazard & Toxicity: LD₅₀ (rat, orl) 750 mg/kg

Aldrich: 46617-4

>>Derivative: Na salt

CAS Registry Number: 938-41-0

Melting Point: Mp 352-357°

>>Derivative: 4-Hydrazone

CAS Registry Number: 65739-72-2

Molecular Formula: C₈H₇N₃O₂

Molecular Weight: 177.162

Accurate Mass: 177.053827

Percentage Composition: C 54.24%; H 3.98%; N 23.72%; O 18.06%

Physical Description: Cryst. (MeOH/DMF)

Melting Point: Mp 315°

>>Derivative: *N*-Benzoyl

Molecular Formula: C₁₅H₉NO₄

Molecular Weight: 267.24

Accurate Mass: 267.053159

Percentage Composition: C 67.42%; H 3.39%; N 5.24%; O 23.95%

Physical Description: Needles (EtOH)

Melting Point: Mp 171-172°

>>Derivative: *N*-Me

CAS Registry Number: 1672-01-1

Molecular Formula: C₉H₇NO₃

Molecular Weight: 177.159

Accurate Mass: 177.042594

Percentage Composition: C 61.02%; H 3.98%; N 7.91%; O 27.09%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 146.5-147°

>>Derivative: *N*-Et

CAS Registry Number: 2038-01-9

Molecular Formula: C₁₀H₉NO₃

Molecular Weight: 191.186

Accurate Mass: 191.058244

Percentage Composition: C 62.82%; H 4.74%; N 7.33%; O 25.11%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 107.5-108°