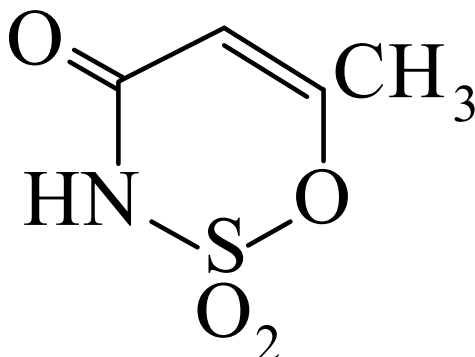




>>Entry Name: Acesulfame, BAN, INN

ENTRY UNDER REVIEW

Synonym(s): 6-Methyl-1,2,3-oxathiazin-4(3*H*)-one 2,2-dioxide, 9CI. 3,4-Dihydro-6-methyl-1,2,3-oxathiazin-4-one 2,2-dioxide



CAS Registry Number: 33665-90-6

Molecular Formula: C₄H₅NO₄S

Molecular Weight: 163.154

Accurate Mass: 162.993929

Percentage Composition: C 29.45%; H 3.09%; N 8.58%; O 39.23%; S 19.65%

Use/Importance: Non-nutritive sweetener. Pharmaceutical excipient

Physical Description: Needles (CHCl₃ or C₆H₆)

Melting Point: Mp 123-123.5°

Supelco: 4-7134

>>Derivative: K salt

Synonym(s): E951. Acesulfame K. Hoe 095K. H 733293

CAS Registry Number: 55589-62-3

Use/Importance: ADI 15 mg/kg (1991). Intense-type sweetener permitted at 300-5500 ppm in foods. Sweetness approx. 200 x sucrose

Physical Description: Cryst.

Melting Point: Mp 225 dec.° (on slow heating)

Supelco: R47-4770

References: