PRODUCT INFORMATION

Diminazene (aceturate)
Item No. 18678

CAS Registry No.: 908-54-3
Formal Name: (E)-4,4’-(triaz-1-ene-1,3-diyldibenzimidamide bis(acetylglycinate)
MF: C_{14}H_{15}N_{7} • 2C_{4}H_{7}NO_{3}
FW: 515.5
Purity: ≥ 98%
Stability: ≥ 1 year at room temperature
Supplied as: A crystalline solid

Laboratory Procedures

For long term storage, we suggest that diminazene (aceturate) be stored as supplied at room temperature. It should be stable for at least one year.

Diminazene (aceturate) is supplied as a crystalline solid. A stock solution may be made by dissolving the diminazene (aceturate) in the solvent of choice. Diminazene (aceturate) is soluble in the organic solvent DMSO. Diminazene (aceturate) is soluble in water up to 75 mM. We do not recommend storing the aqueous solution for more than one day.

Description

Diminazene is a diamidine that is cytotoxic to protozoa, including Trypanosoma, Babesia, and Cytaxzoon.1,2 Diamidines, including diminazene, affect a variety of enzymes and modulate interactions between nucleic acids and proteins.3 Diminazene inhibits diamine oxidase with a K_i value of 13 nM.3 In Trypanosoma, transport proteins are important in the effectiveness of diminazene.4 In rats and in vitro, diminazene enhances the enzymatic activity of angiotensin-converting enzyme 2.5

References