

Catalog	Unit
TBI4552-10MG	10 mg
TBI4552-50MG	50 mg

Product Details

Formal Name: Methylglyoxal bis(guanylhydrazone) dihydrochloride

Alternate Names: MGBG

Molecular Formula: C₅H₁₂N₈ · 2HCl

Formula Weight: 257.13

CAS Number: 31959-87-2

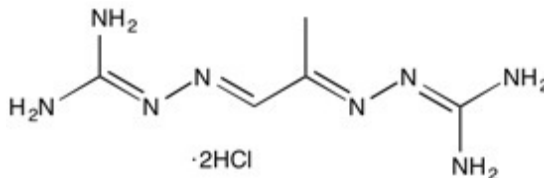
Purity: >98%

Formulation: powder

Solubility: Soluble in Water (greater than 25 mg/ml).

Storage: -20°C

Stability: ≥ 1 year.



Applications

Polyamine biosynthesis inhibitor

Functions

Mitoguazone is a potent and reversible inhibitor of S-adenosylmethionine decarboxylase (SAMDC or AdoMetDC). SAMDC is a component of the polyamine-biosynthetic pathway, thus inhibition may lead to changes in polyamine metabolism. Mitoguazone has also been shown to inhibit diamine oxidase and induce spermidine/spermine N-acetyltransferase. Mitoguazone has been looked at as a potential anti-cancer treatment because of its ability to inhibit polyamine synthesis.

Application Procedures

First dissolved in Water (greater than 25 mg/ml), then diluted to aqueous buffer. Solutions in water may be stored at -20°C for up to 1 month.

For research use only.