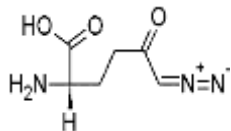


PRODUCT: L-DON

ALTERNATE NAMES: H-Glu(diazomethylketone)-OH, 6-Diazo-5-oxo-L-2-aminohexanoic acid; 6-Diazo-5-oxo-L-norleucine

CATALOG NUMBER: B1955-5,25

AMOUNT: 5 mg, 25 mg

STRUCTURE:

MOLECULAR FORMULA: C₆H₉N₃O₃

MOLECULAR WEIGHT: 171.16

CAS NUMBER: 157-03-9

APPEARANCE: Yellow solid

SOLUBILITY: PBS (pH 7.2, 10 mg/ml)

PURITY: ≥95% by TLC

STORAGE: Store at -20 °C. Protect from air and moisture

DESCRIPTION: L-DON is a glutamine antagonist produced naturally by *Streptomyces*; it inhibits several glutamine-dependent enzyme pathways as well as acts as an inhibitor of the mitochondrial enzyme, glutaminase (GLS), the primary producer of neuronal glutamate.

REFERENCES: Willis, R.C. and Seegmiller, J.E. (1977). *J. Cell Physiol.* **93**, 375-382.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Glutamine Colorimetric Assay Kit (**K556**)

Glutamate Colorimetric Assay Kit (**K629**)

Glutaminase C-IN-1 (968) (**B1968**)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans**