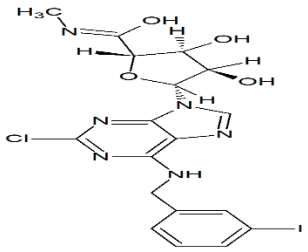
Trigonelline Chloride

ALTERNATE NAME: 3-carboxy-1-methyl-pyridinium, monochloride
N-methyl Nicotinic Acid betaine

CATALOG #: B2606-100 100 mg
B2606-500 500 mg

STRUCTURE:



MOLECULAR FORMULA: $C_7H_8NO_2 \bullet Cl$

MOLECULAR WEIGHT: 173.6

CAS NUMBER: 6138-41-6

APPEARANCE: Crystalline solid

PURITY: ≥98% by HPLC

SOLUBILITY: ~ 5 mg/ml DMSO

DESCRIPTION: Trigonelline is a pyridine alkaloid found in various edible seeds and legumes, including coffee. It is a zwitterion formed by the methylation of the nitrogen atom of niacin (vitamin B3; nicotinic acid) and, as a product of niacin metabolism, is excreted in urine of mammals. Trigonelline has been used to reduce blood glucose levels and to inhibit PPARγ expression in rat models of diabetes. Trigonelline protects diabetic pregnancy partly by suppressing inflammation, regulating the secretion of adipocytokines, increasing β-cell mass, replication, and decreasing β-cell apoptosis.

STORAGE TEMPERATURE: -20ºC. Protect from moisture

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

RELATED PRODUCTS:

Metformin, Hydrochloride (1691)
Canagliflogin (B1597)
Phenformin hydrochloride (1889)
Glibenclamide (1878)
Skyrin, Talaromyces sp. (2043)

DISCLAIMER: ***FOR RESEARCH USE ONLY! Not to be used on humans.***