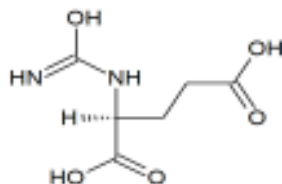


# Carglumic acid

**ALTERNATE NAME:** N-(aminocarbonyl)-L-glutamic acid  
N-Carbamyl-L-Glutamic Acid

**CATALOG #:** B2447-10 10 mg  
B2447-50 50 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>6</sub>H<sub>10</sub>N<sub>2</sub>O<sub>5</sub>

**MOLECULAR WEIGHT:** 190.15

**CAS NUMBER:** 1188-38-1

**APPEARANCE:** White to off-white solid

**PURITY:** ≥98%

**SOLUBILITY:** ~30 mg/ml DMSO

**DESCRIPTION:** Carglumic acid is an activator of carbamoyl phosphate synthetase 1 (CPS1), the first enzyme in the urea cycle that is responsible for removal and detoxification of ammonia, making this drug a valuable agent for therapy of hyperammonemia caused by rare forms of urea cycle defects.

**REFERENCES:** Chen, C.T., et al. (2015). Am. J. Cancer Res. 5(12), 3560-3569.

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

**RELATED PRODUCTS:**

Arginase Activity Colorimetric Assay Kit (K755)  
Ornithine Assay Kit (Fluorometric) (K939)  
L-Arginine Assay Kit (Colorimetric) (K749)  
Arginine Assay Kit (Fluorometric) (K384)

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