

**Product Name** : Urea

**Synonyms** : —

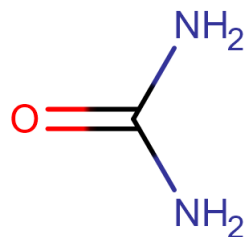
**Cat No.** : M15084

**CAS Number** : 57-13-6

**Molecular Formula** : CH<sub>4</sub>N<sub>2</sub>O

**Formula Weight** : 60.06

**Chemical Name** : —



**Description** : A compound formed in the liver from ammonia produced by the deamination of amino acids. It is the principal end product of protein catabolism and constitutes about one half of the total urinary solids.

**Pathway** : Autophagy

**Target** : Arginase

**Receptor** : Arginase-1; Carbonic anhydrase II; DHFR; Sulfoxide reductase catalytic subunit YedY; Wnt/β-catenin

**Solubility** : Soluble in Water

**SMILES** : NC(N)=O

**Storage** : (-20°C)

**Stability** : ≥ 2 years

**Reference** :

1. Shen S, et al. Environ Sci Pollut Res Int. 2014 Nov;21(21):12563-8.