

Product Data Sheet

Product Name: L-Argininosuccinic acid-13C6,15N4 barium, dihydrate

Cat. No.: GC70881

Chemical Properties

Cas. No. 2483829-90-7

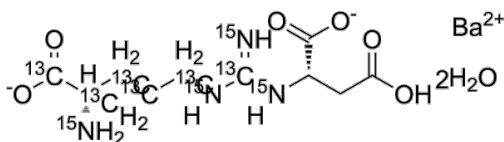
Formula $C_4^{13}C_6H_{20}Ba^{15}N_4O_8$ M.Wt 471.54

Solubility Storage -20°C, protect from light, stored under nitrogen

General For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT, or Condition blue ice upon request.

Structure



Background

L-Argininosuccinic acid-13C6,15N4 (barium, dihydrate) is a 15N-labeled and 13C-labeled L-Argininosuccinic acid (barium, dihydrate)[1].

Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs^[71].

Caution: Product has not been fully validated for medical applications. For research use only.

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References:

[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019;53(2):211-223.

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