

Product Data Sheet

Product Name: Guanylin(human) TFA

Cat. No.: GC61604

Chemical Properties

Cas. No.

Formula $C_{60}H_{88}F_3N_{15}O_{23}S_4$ M.Wt 1572.68

Solubility Storage Store at -20°C

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

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

Structure

PGTCEICAYAACTGC (Disulfide bridge: Cys₄-Cys₁₂; Cys₇-Cys₁₅) (TFA salt)

Background

Guanylin(human) TFA, a 15-amino acid peptide, is an endogenous intestinal guanylate cyclase activator. Guanylin(human) TFA is mainly found in gastrointestinal tract which regulates electrolyte and water transport in intestinal and renal epithelia through cyclic GMP-dependent mechanism [1][2].

[1]. M G Currie, et al. Guanylin: an endogenous activator of intestinal guanylate cyclase. Proc Natl Acad Sci U S A. 1992 Feb 1; 89(3):947-51. [2]. J Be?towski. Guanylin and related peptides. J Physiol Pharmacol. 2001 Sep; 52(3):351-75.

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

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