

## Guanylin(human) TFA

<b>Cat. No.:</b>	HY-P1179A
<b>Molecular Formula:</b>	C <sub>60</sub> H <sub>88</sub> F <sub>3</sub> N <sub>15</sub> O <sub>23</sub> S <sub>4</sub>
<b>Molecular Weight:</b>	1572.68
<b>Sequence Shortening:</b>	PGTCEICAYAACTGC (Disulfide bridge:Cys4-Cys12;Cys7-Cys15)
<b>Target:</b>	Guanylate Cyclase; Endogenous Metabolite
<b>Pathway:</b>	GPCR/G Protein; Metabolic Enzyme/Protease
<b>Storage:</b>	Sealed storage, away from moisture Powder    -80°C    2 years -20°C    1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

### BIOLOGICAL ACTIVITY

#### Description

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<sup>[1][2]</sup>.

### REFERENCES

- [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 Bęłtowski. 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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