

M617 TFA

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| Cat. No.: | HY-P1131A |
| Molecular Formula: | C ₁₁₄ H ₁₆₂ F ₃ N ₂₉ O ₃₀ |
| Molecular Weight: | 2475.67 |
| Sequence: | Gly-Trp-Thr-Leu-Asn-Ser-Ala-Gly-Tyr-Leu-Leu-Gly-Pro-Gln-Pro-Pro-Gly-Phe-Ser -Pro-NH ₂ |
| Sequence Shortening: | GWTLNSAGYLLGPQPPGFSPFR-NH ₂ |
| Target: | Others |
| Pathway: | Others |
| Storage: | Please store the product under the recommended conditions in the COA. |

BIOLOGICAL ACTIVITY

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| Description | M617 TFA is a selective galanin receptor 1 (GAL1) agonist, with K _i s of 0.23 and 5.71 nM for GAL1 and GAL2, respectively. M617 TFA, acting through its central GAL1, can promote GLUT4 expression and enhance GLUT4 content in the cardiac muscle of type 2 diabetic rats ^{[1][2]} . |
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REFERENCES

- [1]. Lundström, L., et al. A Galanin Receptor Subtype 1 Specific Agonist. *Int J Pept Res Ther* 11, 17–27 (2005).
- [2]. Fang P, et al. Central injection of GalR1 agonist M617 facilitates GLUT4 expression in cardiac muscle of type 2 diabetic rats. *Exp Gerontol.* 2015;65:85-89.

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

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