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| Product Name | : ML-109 |
| Synonyms | : — |
| Cat No. | : M21973 |
| CAS Number | : 1186649-91-1 |
| Molecular Formula | : C ₃₁ H ₂₉ N ₃ O ₅ |
| Formula Weight | : 523.58 |
| Chemical Name | : — |
| Description | : ML-109 is a potent agonist of thyroid stimulating hormone receptor (TSHR) (EC ₅₀ of 40 nM)ML-109 is a full agonist at TSHR with an EC ₅₀ of 40 nM ,has no activity at FSHR or LHCGR. |
| Pathway | : Others |
| Target | : Other Targets |
| Receptor | : thyrotropin receptor (TSHR) |
| Solubility | : DMSO:83.33 mg/mL (159.15 mM; Need ultrasonic) |
| SMILES | : <chem>COc1ccc(cc1COc1ccc(NC(C)=O)cc1)C1Nc2cccc(O)c2C(=O)N1Cc1cccc1</chem> |
| Storage | : (-20°C) |
| Stability | : ≥ 2 years |
| Reference | : |

1. Neumann S, et al. Small-molecule agonists for the thyrotropin receptor stimulate thyroid function in human thyrocytes and mice. Proc Natl Acad Sci U S A. 2009 Jul 28;106(30):12471-6.