

FUJIFILM**Wako**

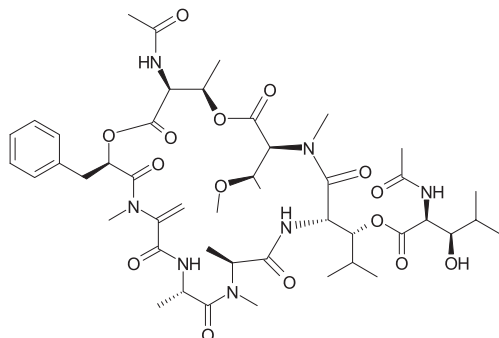
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Code No. 257-00631 (1 mg)
253-00633 (10 mg)**YM-254890**

YM-254890 is a cyclic depsipeptide, discovered from culture broth of *Chromobacterium* sp. QS3666. YM-254890 is reported to specifically inhibit G_q signaling by blocking GDP release from the G_q proteins (G_q, G₁₁ and G₁₄).

Appearance : White~pale brown, crystalline powder~powder.**Reconstitution :** Reconstitute in DMSO to a concentration of 1-10 mmol/L as a stock solution.

This solution can then be diluted into other aqueous buffers.

Molecular formula : C₄₆H₆₉N₇O₁₅**Molecular weight :** 960.08**CAS No.** 568580-02-9**Structure :****[Expiration date]** Indicated on the label.**[Storage]** Store at 2-10°C, under inert gas.**[Package]**

Code No.	Packaging
257-00631	1 mg
253-00633	10 mg

[References]

- 1) Nishimura, A. *et al.*, "Structural basis for the specific inhibition of heterotrimeric G_q protein by a small molecule.", *PNAS*, **107** (31), 13666-13671 (2010).
- 2) Takasaki, J. *et al.*, "A novel G_{q/11}-selective inhibitor.", *J. Biol. Chem.*, **279** (46), 47438-47445 (2004).
- 3) Taniguchi, M. *et al.*, "Structure of YM-254890, a novel G_{q/11} inhibitor from *Chromobacterium* sp. QS3666.", *Tetrahedron*, **59**, 4533-4538 (2003).
- 4) Taniguchi, M. *et al.*, "YM-254890, a novel platelet aggregation inhibitor produced by *Chromobacterium* sp. QS3666.", *J. Antibiotics*, **56** (4), 358-363 (2003).

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