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**Product Data Sheet**

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Product Name: Protoneogracillin

Cat. No.: GC69770

**Chemical Properties**

Cas. No. 191334-50-6

Formula  $C_{51}H_{84}O_{23}$  M.Wt 1065.2

Solubility Storage 4°C, protect from light

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 **Background**

Protoneogracillin, a furostanol glycoside, shows anti-fungal activity against the plant pathogenic fungus *P.oryzae* (MMDC=94.0  $\mu$ M) and cytotoxic activity on K562 cancer cells (IC<sub>50</sub>=6.6  $\mu$ M)[1][2].

Protoneogracillin shows activitie against *P.oryzae* (MMDC=94.0  $\mu$ M) and K562 (IC<sub>50</sub>=6.6  $\mu$ M)[1].

[1]. Hu K, et, al. Antineoplastic agents. II. Four furostanol glycosides from rhizomes of *Dioscorea collettii* var. *poglauca*. *Planta Med.* 1997 Apr;63(2):161-5.

[2]. Liu HW, et, al. New furostanol glycosides from the rhizomes of *Dioscorea futschauensis* R. Kunth. *J Asian Nat Prod Res.* 2003 Dec;5(4):241-7.

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

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