
Product Data Sheet

Product Name: 7-O-ethyl-morroniside

Cat. No.: GN10174

Chemical Properties

Cas. No. 945721-10-8

Chemical Name (4aS,6R,8S,8aS)-methyl 6-ethoxy-8-methyl-1-(((2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-2-yl)oxy)-1,4a,5,6,8,8a-hexahydropyrano[3,4-c]pyran-4-carboxylate

SMILES CCO[C@@]1([H])C[C@]2([H])C(C(OC)=O)=COC(O[C@@]3([H])[C@@](O)([H])[C@](O)([H])[C@@](O)([H])[C@@](O3)([H])CO)([H])[C@]2([H])[C@](O1)([H])C

Formula	C ₁₉ H ₃₀ O ₁₁	M.Wt	434.43
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Solubility		Storage	2-8°C
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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**

7-O-Ethylmorroniside is a iridoid glucoside from the fruit of Cornus officinalis which is a traditional medicine in China and used for the treatment of kidney diseases, including diabetic nephropathy[1].

References:

[1]. Ma W, et al. Bioactive compounds from Cornus officinalis fruits and their effects on diabetic nephropathy. J Ethnopharmacol. 2014 May 14;153(3):840-5.

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

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