Styraxlignolide F Inhibitor

PRODUCT OVERVIEW

Product Name	Styraxlignolide F, Inhibitor
Full Product Name	Styraxlignolide F
Form/Format	Solid. Powder
Purity/Purification	98.00%
Preparation and Storage	Store at -20 degree C for 3 years powder -80 degree C for 2 years in solvent
Molecular Weight	534.6
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
Formula	C27H34O11
SMILES	COc(ccc(C[C@@H]([C@H](Cc(cc1)cc(OC)c1O[C@@H]([C@@H]([C@H]1O)O)O[C@H](CO)[C@H]1O)CO1)C1=O)c1)c1OC
CAS Number	823214-06-8
Target & IC50	Others
In Vitro	Known compounds, taraxerol (6), syringin (7), and (-)-pinoresinol glucoside (8), were also obtained. The structures of styraxligonolides B-F were determined as 2alpha-(4'-hydroxy-3'-methoxyphenyl)-6alpha-(3' ',4' '-methylenedioxyphenyl)-8-oxo-3,7-dioxabicyclo[3.3.0]octane 4'-O-(beta-D-glucopyranoside) (1), (2S,3S)-2alpha-(3' '-hydroxy-4' '-methoxybenzyl)-3beta-(4'-hydroxy-3'-methoxybenzyl)-gamma-butyrolactone 4'-O-(beta-D-glucopyranoside) (2), (2S,3S)-2alpha-(4' '-hydroxy-3' '-methoxybenzyl)-3beta-(4'-hydroxy-3'-methoxybenzyl)-gamma-butyrolactone 4'-O-(beta-D-glucopyranoside) (3), (2S,3S)-2alpha-(4' '-hydroxy-3' '-methoxybenzyl)-3beta-(4'-hydroxy-3'-methoxybenzyl)-gamma-butyrolactone 4' '-O-(beta-D-glucopyranoside) (4), and (2S,3S)-2alpha-(3' ',4' '-dimethoxybenzyl)-3beta-(4'-hydroxy-3'-methoxybenzyl)-gamma-butyrolactone 4'-O-(beta-D-glucopyranoside) (5) by spectroscopic means including 2DnMR.
Related Product Information for Styraxlignolide F, inhibitor	MBS5760950 is an inhibitor targeting Styraxlignolide F. Styraxlignolide F is a natural product from Styrax japonica.
Product References and Citations for Styraxlignolide F, inhibitor	New furofuran and butyrolactone lignans with antioxidant activity from the stem bark of Styrax japonica.J Nat Prod. 2004 Dec;67(12):1980-4.
Other Notes	Small volumes of Styraxlignolide F, inhibitor vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

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Online datasheet: https://www.mybiosource.com/inhibitor/styraxlignolide-f/5760950