



>>Derivative: 4-Me ether, 1"-O-β-D-glucopyranoside

CAS Registry Number: 80681-45-4

Molecular Formula: C<sub>22</sub>H<sub>28</sub>O<sub>11</sub>

Molecular Weight: 468.457

Accurate Mass: 468.163165

Percentage Composition: C 56.41%; H 6.02%; O 37.57%

Biological Source: Constit. of *Angelica*, *Diplolophium*, *Eranthis*, *Ledebouriella* and *Saposhnikovia* spp.

Physical Description: Cryst. (CHCl<sub>3</sub>)

Melting Point: Mp 118-120° (113°-115°)

Optical Rotation: [α]<sub>D</sub><sup>24</sup>+33.3 (c, 0.6 in CHCl<sub>3</sub>)

>>Variant: (±)-form

Molecular Formula: C<sub>15</sub>H<sub>16</sub>O<sub>6</sub>

Molecular Weight: 292.288

Accurate Mass: 292.09469

Percentage Composition: C 61.64%; H 5.52%; O 32.84%

Melting Point: Mp 197-198°

#### References:

- Kondo, Y. *et al.*, *Chem. Pharm. Bull.*, 1972, **20**, 1940, (*isol, abs config, Cimicifugin*)  
Kirtany, J.K. *et al.*, *Indian J. Chem.*, 1973, **11**, 505, (*struct*)  
Wada, H. *et al.*, *Phytochemistry*, 1974, **13**, 297, (*isol*)  
Chatterjee, A. *et al.*, *Indian J. Chem., Sect. B*, 1977, **15**, 212, (*isol*)  
Baba, K. *et al.*, *Chem. Pharm. Bull.*, 1981, **29**, 2565, (*isol, Cimifugin*)  
Kozawa, M. *et al.*, *Chem. Pharm. Bull.*, 1983, **31**, 64, (*isol*)  
Kopp, B. *et al.*, *Helv. Chim. Acta*, 1991, **74**, 611, (*Cimifugin glucoside*)  
Lemmich, J., *Phytochemistry*, 1995, **38**, 427, (*glucosides*)  
Mi, C.F. *et al.*, *Yaoxue Xuebao*, 1995, **30**, 910, (*Angelicitin A*)  
Lal, B. *et al.*, *Indian J. Chem., Sect. B*, 1998, **37**, 881-893, (*isol, synth, pmr, activity*)