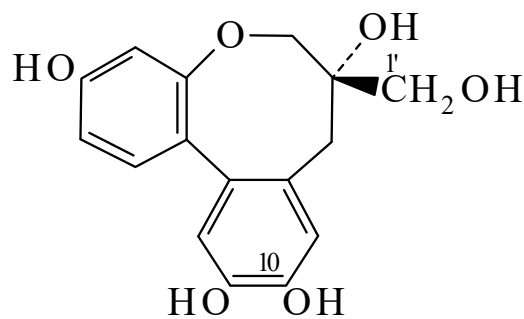




>>Entry Name: **Protosappanin B**

Synonym(s): 7,8-Dihydro-7-(hydroxymethyl)-6*H*-dibenz[*b,d*]oxocin-3,7,10,11-tetrol, 9Cl



CAS Registry Number: 102036-29-3

Molecular Formula: C₁₆H₁₆O₆

Molecular Weight: 304.299

Accurate Mass: 304.09469

Percentage Composition: C 63.15%; H 5.30%; O 31.55%

Biological Source: Constit. of *Caesalpinia sappan*

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]_D^{15} -11.4$ (MeOH)

>>Derivative: 10-Me ether

Synonym(s): **10-*O*-Methylprotosappanin B**

CAS Registry Number: 111830-77-4

Molecular Formula: C₁₇H₁₈O₆

Molecular Weight: 318.326

Accurate Mass: 318.11034

Percentage Composition: C 64.14%; H 5.70%; O 30.16%

Biological Source: Constit. of *Caesalpinia sappan*

Physical Description: Powder

Optical Rotation: $[\alpha]_D^{25} -11.2$ (c, 1.82 in MeOH)

>>Derivative: 1'-Aldehyde

Synonym(s): **Protosappanin C**

CAS Registry Number: 111534-98-6

Molecular Formula: C₁₆H₁₄O₆

Molecular Weight: 302.283

Accurate Mass: 302.07904

Percentage Composition: C 63.57%; H 4.67%; O 31.76%

Biological Source: Constit. of *Caesalpinia japonica*

Optical Rotation: $[\alpha]_D^{25} -37$ (c, 5.32 in MeOH)

References:

Nagai, M. *et al.*, *Heterocycles*, 1986, **24**, 601

Namikoshi, M. *et al.*, *Chem. Pharm. Bull.*, 1987, **35**, 3002; 3568; 3615, (*Protosappanin C*, *10-O-Methylprotosappanin B*)