

Product Datasheet

Myricetin 3-O-galactoside (orb1684391)

Catalog Number	orb1684391
Category	Small Molecules
Description	Myricetin 3-O-galactoside is a bioactive flavonoid with potent antioxidant properties, notably inhibiting xanthine oxidase and lipid peroxidation (IC ₅₀ = 160 µg/mL). Its primary mechanism involves suppressing inducible nitric oxide synthase (iNOS) synthesis, supporting research applications in studying oxidative stress and inflammation in cellular models.
Target	Xanthine Oxidase,NOS
Purity	99.38% (May vary between batches)
MW	480.38
Target Areas	Xanthine Oxidase NOS
CAS Number	15648-86-9
Formula	C ₂₁ H ₂₀ O ₁₃
SMILES	<chem>OC[C@H]1O[C@@H](Oc2c(oc3cc(O)cc(O)c3c2=O)-c2cc(O)c(O)c(O)c2)[C@H](O)[C@@H](O)[C@H]1O</chem>
Storage	store at low temperature,keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice/Shipping at ambient temperature.
Note	For research use only
Expiration Date	12 months from date of receipt.

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)