

Product Datasheet

Brousochalcone A (orb1744803)

Description	Brousochalcone A is a natural antioxidant and xanthine oxidase inhibitor (IC₅₀ = 2.21 μM) that scavenges free radicals, inhibits iron-induced lipid peroxidation, and reduces nitric oxide synthesis in LPS-activated macrophages. Brousochalcone A induces apoptosis in human renal carcinoma cells by increasing ROS levels and activating the FOXO3 signaling pathway. Brousochalcone A is also a novel NR4A1 inhibitor that induces apoptosis in pancreatic cancer cells through NR4A1-dependent pathways.
Storage	-20°C
Note	For research use only
Formula	C ₂₀ H ₂₀ O ₅
Purity	97.20%
MW	340.37
CAS Number	99217-68-2
SMILES	<chem>C(/C=C/C1=CC(O)=C(O)C=C1)(=O)C2=CC(CC=C(C)C)=C(O)C=C2O</chem>
Expiration Date	12 months from date of receipt.

Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)