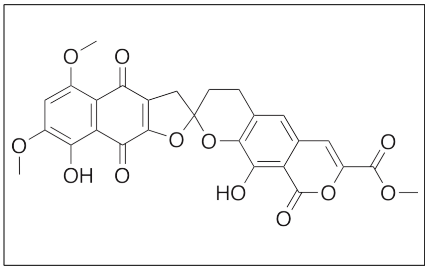
LKT Laboratories, Inc.

ß-Rubromycin

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID R8207
CAS No. 27267-70-5
Chemical Name Spiro(benzo(1,2-b:5,4-c')dipyran-2(3H),2'(3'H)-naphtho(1,2-b)furan)-7-carboxylic acid,4,4',5',9-tetrahydro -6',10-dihydroxy-7',9'-dimethoxy -4',5',9-trioxo-, methyl ester
Synonym



Formula $C_{27}H_{20}O_{12}$
Formula Wt. 536.44
Melting Point
Purity ≥98%
Solubility

Product ID	Size
R8207	1 mg
R8207	5 mg

Store Temp -20°C
Ship Temp Ambient
Description ß-Rubromycin is a quinolone antibiotic that directly inhibits telomerase; it exhibits some antibacterial and antiviral activities. ß-Rubromycin inhibits HIV-1 reverse transcriptase and also displays anticancer potential, decreasing the proliferation of cancer cells in vitro.

References

Mizushina Y, Takeuchi T, Sugawara F, et al. Anti-cancer targeting telomerase inhibitors: ß-rubromycin and oleic acid. Mini Rev Med Chem. 2012 Oct;12(11):1135-43. PMID: 22876944.

Ueno T, Takahashi H, Oda M, et al. Inhibition of human telomerase by rubromycins: implication of spiroketal system of the compounds as an active moiety. Biochemistry. 2000 May 23;39(20):5995-6002. PMID: 10821671.

Goldman ME, Salituro GS, Bowen JA, et al. Inhibition of human immunodeficiency virus-1 reverse transcriptase activity by rubromycins: competitive interaction at the template.primer site. Mol Pharmacol. 1990 Jul;38(1):20-5. PMID: 1695317.