
Product Data Sheet

Product Name: Gilvocarcin V

Cat. No.: GC18840

Chemical Properties

Cas. No. 77879-90-4

Chemical Name 4-(6-deoxy- α -D-galactofuranosyl)-8-ethenyl-1-hydroxy-10,12-dimethoxy-6H-benzo[d]naphtho[1,2-b]pyran-6-oneSMILES O=C(O1)C2=C(C(OC)=CC(C=C)=C2)C3=C1C4=C([C@H]5O[C@@]([H])([C@H](O)C)[C@H](O)[C@H]5O)C=CC(O)=C4C(OC)=C3Formula C₂₇H₂₆O₉

M.Wt

494.5

Solubility Soluble in DMSO

Storage

Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Gilvocarcin V is an antitumor antibiotic with a coumarin-based aromatic structure that was originally isolated from the culture broth of *S. gilvotanareus*. It is strongly active against Gram-positive bacteria such as *S. aureus* and *B. subtilis* and efficacious against experimental tumors including sarcoma 180, Ehrlich carcinoma, Meth I fibrosarcoma, MH134 hepatoma, and lymphocytic leukemia P388. Gilvocarcin V inhibits DNA synthesis by promoting the selective cross-linking of both histone H3 and the heat shock protein, GRP78 to DNA when photoactivated by near-UV or visible light.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
