

DATASHEET

Version: 2016-08-18

G3-C12**Cat. No.:** RP20329**Size:** 1 mg**Description:**

Galectin-3 is a member of the galectin family of beta-galactoside-binding animal lectins. Galectin-3 is overexpressed in a wide range of neoplasms and is associated with tumor growth and metastases. Given this fact, radiolabeled galectin-3-targeting molecules may be useful for the noninvasive imaging of tumors expressing galectin-3, as well as for targeted radionuclide therapy. In this study, the tumor cell-targeting and SPECT properties of a galectin-3-avid peptide identified from bacteriophage display were evaluated in human breast carcinoma cells and in human breast tumor-bearing mice. The galectin-3-avid peptide G3-C12 (ANTPCGPYTHDCPVKR) was synthesized with a Gly-Ser-Gly (GSG) linker at the amino terminus.

Sequence (one-letter code):

ANTPCGPYTHDCPVKR

Sequence (three-letter code):

{Ala}{Asn}{Thr}{Pro}{Cys}{Gly}{Pro}{Tyr}{Thr}{His}{Asp}{Cys}{Pro}{Val}{Lys}{Arg}

Formula: C₇₄H₁₁₅N₂₃O₂₃S₂**Molecular Weight:** 1,758.98**Purity:** >95%**Storage:**

Store at -20°C.

Note:

*For Non-Clinical Research Use Only *

