CD BioGlyco
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

PR-104, Purity ≥98%

Cat. No.: X24-09-YM1261

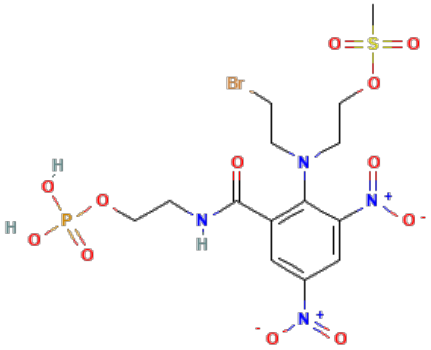
Size: 5 mg; 10 mg; 25 mg; 50 mg

CAS Number: 851627-62-8

Compound CID: 11455973

Synonym: 851627-62-8; PR 104; PR104; 2-[*N*-(2-Bromoethyl)-2,4-dinitro-6-(2-phosphonooxyethylcarbamoyl)anilino]ethyl methanesulfonate

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	PR-104 is a non-toxic, small-molecule, hypoxia-activated, 3,5-dinitrobenzamide nitrogen mustard pre-prodrug. The molecular weight of the compound is 579.27, and its molecular formula is $C_{14}H_{20}BrN_4O_{12}PS$.
Molecular Weight	579.27
Molecular Formula	$C_{14}H_{20}BrN_4O_{12}PS$
IUPAC Name	2-[*N*-(2-Bromoethyl)-2,4-dinitro-6-(2-phosphonooxyethylcarbamoyl)anilino]ethyl methanesulfonate
InChI	InChI=1S/C14H20BrN4O12PS/c1-33(28,29)31-7-5-17(4-2-15)13-11(14(20)16-3-6-30-32(25,26)27)8-10(18(21)22)9-12(13)19(23)24/h8-9H,2-7H2,1H3,(H,16,20)(H2,25,26,27)
InChI Key	GZSOKPMDWVRVMG-UHFFFAOYSA-N
Canonical SMILES	CS(=O)(=O)OCCN(CCBr)C1=C(C=C(C=C1[N+](=O)[O-])[N+](=O)[O-])C(=O)NCCOP(=O)(O)O
Isomeric SMILES	C1[C@H]2[C@@H]([C@@H](S1)CCCCC(=O)NN)NC(=O)N2
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	PR-104 can be studied extensively for its potential therapeutic applications in the treatment of oncology.
Storage	Store at -20ºC, and keep desiccated.

SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com