

Product Information

Biotinyl cystamine, Purity $\geq 98\%$

Cat. No.: X24-09-YM1232

Size: 10 mg; 25 mg; 50 mg; 100 mg

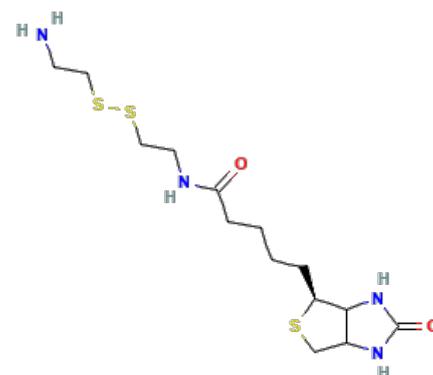
CAS Number: 128915-82-2

Compound CID: 46783600

Synonym: 128915-82-2; CTK8E9630; *N*

-[2-(2-Aminoethylsulfanyl)ethyl]-5-[(4*S*)-2-oxo-1,3,3a,4,6,6a-hexahydrothieno[3,4-*d*]imidazol-4-yl]pentanamide

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



Product Information

Description	Biotinyl cystamine is a crosslinking photoaffinity-label ligand. The molecular weight of the compound is 378.57684, and its molecular formula is $C_{14}H_{26}N_4O_2S_3$.
Molecular Weight	378.57684
Molecular Formula	$C_{14}H_{26}N_4O_2S_3$
IUPAC Name	<i>N</i> -[2-(2-Aminoethylsulfanyl)ethyl]-5-[(4 <i>S</i>)-2-oxo-1,3,3a,4,6,6a-hexahydrothieno[3,4- <i>d</i>]imidazol-4-yl]pentanamide
InChI	InChI=1S/C14H26N4O2S3/c15-5-7-22-23-8-6-16-12(19)4-2-1-3-11-13-10(9-21-11)17-14(20)18-13/h10-11,13H,1-9,15H2,(H,16,19)(H2,17,18,20)/t10?,11-,13?/m0/s1
InChI Key	MFDWNMKIWHKJOW-AKJDGMEZSA-N
Canonical SMILES	<chem>C1C2C(C(S1)CCCC(=O)NCCSSCCN)NC(=O)N2</chem>
Isomeric SMILES	<chem>CSCC1CN(C(=O)O1)/N=C/C2=CC=C(O2)[N+](=O)[O-]</chem>
Form	Lyophilized powder
Purity	$\geq 98\%$
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	Biotinyl cystamine plays a key role in studying protein modifications.
Storage	Store at -20°C , and keep desiccated.

