

Product Information

Dehydroluciferin

Cat. No.: X24-11-LY200

Size: 5 mg; 10 mg; 25 mg; 100 mg; 1 g

MDL: MFCD18433389

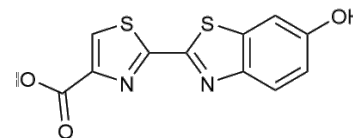
CAS Number: 20115-09-7

Compound CID: 135767898

Synonym: 20115-09-7; Dehydro-luciferin; Dehydroluciferin; Dehydroluciferin (L);

Dehydroluciferyl-adenylate

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



Product Information

Description	Dehydroluciferin is an intermediate or derivative in the luciferase reaction, usually associated with the bioluminescence phenomenon.
Molecular Weight	278.31
Molecular Formula	C ₁₁ H ₆ N ₂ O ₃ S ₂
IUPAC Name	2-(6-Hydroxy-1,3-benzothiazol-2-yl)-1,3-thiazole-4-carboxylic acid
InChI	InChI=1S/C11H6N2O3S2/c14-5-1-2-6-8(3-5)18-10(12-6)9-13-7(4-17-9)11(15)16/h1-4,14H,(H,15,16)
InChI Key	CYCGRDQQIOGCKX-UHFFFAOYSA-N
SMILES string	C1=CC2=C(C=C1O)SC(=N2)C3=NC(=CS3)C(=O)O
Form	Powder
Purity	≥97%, determined by HPLC.
Identity	Confirmed by NMR.
Boiling Point	595.30°C
Applications	Dehydroluciferin can be used as a probe to monitor metabolic activity in living cells, or as a substrate for the luminescence reaction.
Storage	store at -20°C.