

Product Name	: D-Luciferin Sodium
Synonyms	: —
Cat No.	: M23240
CAS Number	: 103404-75-7
Molecular Formula	: C ₁₁ H ₇ N ₂ NaO ₃ S ₂
Formula Weight	: 302.3
Chemical Name	: —
Description	: D-Luciferin Sodium is a heterocyclic light-emitting compound and natural ligand for luciferase used to detect cell activity. The salt form of luciferin dissolves in water or other typical buffers.
Pathway	: Others
Target	: Other Targets
Receptor	: Others
Solubility	: DMSO: 100 mg/mL (330.80 mM; Need ultrasonic); H ₂ O: 10 mg/mL (33.08 mM; ultrasonic and warming and heat to 60°C)
SMILES	: <chem>O=C([C@@H]1N=C(C2=NC3=CC=C(O)C=C3S2)SC1)O[Na]</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Patrick PS, Lyons SK, Rodrigues TB, Brindle KM. Oatp1 enhances bioluminescence by acting as a plasma membrane transporter for D-luciferin. Mol Imaging Biol. 2014 Oct;16(5):626-34. doi: 10.1007/s11307-014-0741-4. PubMed PMID: 24798747; PubMed Central PMCID: PMC4161938.