



In Vivo Imaging Solutions
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Certificate of Analysis

Chemical Name	4,5-Dihydro-2-(6-hydroxy-2-benzothiazolyl)-4-thiazolecarboxylic acid, sodium salt
Common Name(s)	D- Luciferin Sodium Salt, Beetle Luciferin, Firefly Luciferin
Formula	$\text{NaC}_{11}\text{H}_7\text{N}_2\text{O}_3\text{S}_2$
Molecular Weight	302.3 g/mol
Lot Number	IL410K
Catalog Number	30

	Specification	Result
Appearance	Pale Yellow to Yellow Solid	Yellow Solid
Purity, HPLC	NLT 99% AUC	99% AUC
Water	NMT 9.0%	6.7%
Chiral Purity	NLT 99% D-Luciferin	99.5% (min.)
*none detected		

Storage: Short Term Use Minimum -20°C, Long Term Use -70°C

Keep away from light and moisture until use

See product label for expiration date