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## Specification

<b>Product</b>	<b>D-Luciferin free acid for molecular biology</b>
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Product number	1268
Synonym(s)	(S)-2-(6-Hydroxy-2-benzothiazolyl)-2-thiazoline-4-carboxylic acid
Formula	C <sub>11</sub> H <sub>8</sub> N <sub>2</sub> O <sub>3</sub> S <sub>2</sub>
Molecular weight	280.32 g/mol
CAS number	2591-17-5
Storage	-20°C
Retest period (months)	24

Parameter	Specification
Assay (HPLC)	min. 99 %
Appearance	white to faint yellow powder
Water	max. 2.0 %
Specific rotation [α] <sub>D</sub> (c=1 in DMF)	-36° to -32°
Nitrogen (dry basis)	9.7 - 10.3 %

Einhausen, 22.08.2023