

Product Specification

Product Name: **D-infraluciferin methyl ester**

Product Code: **BFRSILH201**

Molecular formula: **C₁₄H₁₂N₂O₃S₂**

Formula weight: **320.38668**

Test	Specification
Appearance:	Solid powder yellow or orange in colour
HPLC:	97.65% pure
¹ H NMR:	Conforms to structure
Storage:	1 year at less than -15oC
Luminometry*	Produces bioluminescence as expected

D-infraluciferin or D-luciferin methyl esters were saponified by addition of Pig Liver Esterase (E3019 Sigma-Aldrich) in 1 x PBS, 2mM ethylenediaminetetraacetic acid (EDTA) and 10mM magnesium sulphate buffer and bioluminescence was measured by addition of 2mM ATP and x11 luciferase enzyme.