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**Product Data Sheet**

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Product Name: SELuc-2  
Cat. No.: GC63186

**Chemical Properties**

Cas. No. 2421112-19-6

Formula  $C_{15}H_{16}N_2O_4S_3$  M.Wt 384.49

Solubility Storage Store at  $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at  $37^{\circ}C$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^{\circ}C$  for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

**Background**

SELuc-2 is a small-molecule probe based on the firefly luciferin. SELuc-2, a bioluminescent probe for the sensitive and selective detection of thiols in living cells[1].

SELuc-2 exhibits larger enhancement in fluorescence intensity at 533 nm when incubated with cysteine compared with SELuc-1, and the fluorescence intensity saturated after 25 min[1].

[1]. Mayu Hemmi, et al. Highly Sensitive Bioluminescent Probe for Thiol Detection in Living Cells. Chem Asian J. 2018 Mar 16;13(6):648-655.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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