
Product Data Sheet

Product Name: SPiDER-βGal-1

Cat. No.: GC74212

Chemical Properties

Cas. No. 1824699-57-1

Formula C₃₁H₃₄FNO₈

M.Wt 567.6

Solubility DMSO : 100 mg/mL (176.18 mM; Need ultrasonic)

Storage -20°C, protect from light

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°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**

SPiDER-βGal-1 is a potent probe for β-galactosidase activity and suitable for labeling live cells in culture.

References:

[1]. Doura T, et al. Detection of LacZ-Positive Cells in Living Tissue with Single-Cell Resolution. *Angew Chem Int Ed Engl.* 2016 Aug 8;55(33):9620-4.

[2]. Nakamura Y, et al. A topically-sprayable, activatable fluorescent and retaining probe, SPiDER-βGal for detecting cancer: Advantages of anchoring to cellular proteins after activation. *Oncotarget.* 2017 Jun 13;8(24):39512-39521.

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

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