

Product Data Sheet

Product Name: Tracer AL244

Cat. No.: GC79727

Chemical Properties

Cas. No.

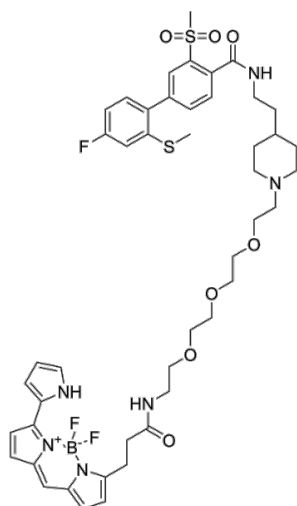
Formula $C_{46}H_{56}BF_3N_6O_7S_2$ M.Wt 936.91

Solubility DMSO: 3.33 mg/mL (3.55 mM; Need ultrasonic) Storage Store at 4°C, away from moisture

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

Tracer AL244 is a BODIPY-based fluorescent tracer and also a TRIM21 binder. Tracer AL244

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

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enables evaluation of TRIM21 target binding in both intact and permeabilized cells [1].

In Vitro, Tracer AL244 (6 nM-3 μ M; 2 h) generates strong BRET signals in HEK293T cells expressing full-length human TRIM21 with a C-terminally fused NanoLuc, enabling live-cell target binding assays^[1]. Tracer AL244 generates strong BRET signals and a favorable assay window when interacting with C-terminally fused NanoLuc-TRIM21, whereas it produces weak signals when interacting with N-terminally fused NanoLuc-TRIM21^[1].

References:

[1]. Kim Y, et al. Crystallographic fragment screening reveals ligand hotspots in TRIM21 PRY-SPRY domain. Communications chemistry. 2025 Jun 13;8(1):185.

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