

Product Data Sheet

Product Name: PA-JF549-Halo ligand

Cat. No.: GC80350

Chemical Properties

Cas. No. 1811539-43-1

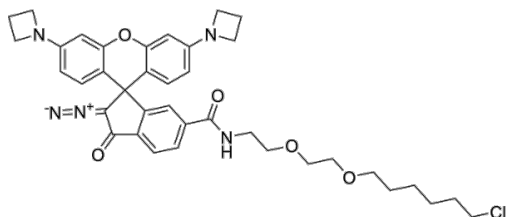
Formula $C_{38}H_{42}ClN_5O_5$ M.Wt 684.22

Solubility DMSO: 50 mg/mL (73.08 mM; Need ultrasonic) Storage Store at 4°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

PA-JF549-Halo ligand is a covalently linked conjugate comprising the photoactivatable fluorescent dye PA-JF549 and a ligand for the HaloTag protein. PA-JF549-Halo ligand exhibits inherent structural

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

properties and predispose it to localize within mitochondria. PA-JF549-Halo ligand combines the exceptional brightness, photostability, and cell permeability of the JF549 dye with photoactivation capabilities and the high specificity characteristic of HaloTag protein labeling technology. PA-JF549-Halo ligand enables high-quality single-molecule imaging and super-resolution imaging of specific proteins within live cells [1].

References:

[1]. Grimm JB, et al. Bright photoactivatable fluorophores for single-molecule imaging. Nat Methods. 2016 Dec;13(12):985-988.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA