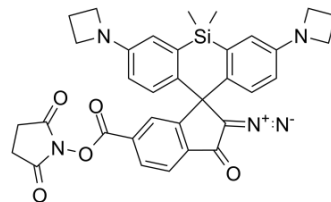


## PA-JF646-NHS

Cat. No.:	HY-133535
CAS No.:	2093120-32-0
Molecular Formula:	C <sub>34</sub> H <sub>31</sub> N <sub>5</sub> O <sub>5</sub> Si
Molecular Weight:	617.73
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

PA-JF646-NHS, a photoactivatable fluorescent dye, is an NHS ester for coupling to primary amine groups. PA-JF646-NHS is non-fluorescent until activated at 365 nm. NHS ester can be converted to relevant substrate for use in self-labeling tag systems, e.g. HaloTag<sup>®</sup> and SNAP-tag<sup>®</sup>. PA-JF646-NHS is used for single molecule tracking and super resolution microscopy in live cells, specifically live cell sptPALM and fixed cell PALM. ( $\lambda_{\text{Excitation/emission}} \sim 650/664 \text{ nm}$ ).

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

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