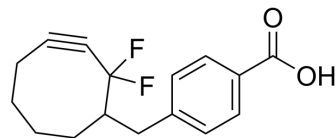


Difluorocyclooctyne-CH₂-benzoic acid

| | |
|--------------------|---|
| Cat. No.: | HY-145789 |
| CAS No.: | 1047997-30-7 |
| Molecular Formula: | C ₁₆ H ₁₆ F ₂ O ₂ |
| Molecular Weight: | 278.29 |
| Target: | Biochemical Assay Reagents |
| Pathway: | Others |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

Description

Difluorocyclooctyne-CH₂-benzoic acid is a Difluorinated cyclooctyne (DIFO) analogue that can be used for imaging glycans on live cells. Difluorinated cyclooctyne (DIFO) reagents rapidly reacts with azides in living cells without the need for copper catalysis^[1]. Difluorocyclooctyne-CH₂-benzoic acid is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

REFERENCES

[1]. Julian A Codelli, et al. Second-generation difluorinated cyclooctynes for copper-free click chemistry. *J Am Chem Soc.* 2008 Aug 27;130(34):11486-93.

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

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