

Product Data Sheet

Product Name: OG 488, acid

Cat. No.: GC27793

Chemical Properties

Cas. No. 195136-52-8

SMILES O=C(C1=CC=C2C(C(OC23C4=CC(F)=C(C=C4OC5=CC(O)=C(C=C53)F)O)=O)=C1)O

Formula $C_{21}H_{10}F_2O_7$ M.Wt 412.30

Solubility DMSO : 50 mg/mL (121.27 mM; Storage 4°C, protect from light
Need ultrasonic)

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.

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

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

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Structure



Background

OG 488, acid, a fluorescent pH indicator, has many applications in biochemistry and neurosciences^[1].

References:

[1]. Angel Orte, et al. Absorption and emission study of 2',7'-difluorofluorescein and its excited-state buffer-mediated proton exchange reactions. J Phys Chem A. 2005 Feb 10;109(5):734-47.

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