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; Need ultrasonic)	Storage	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.		

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

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.