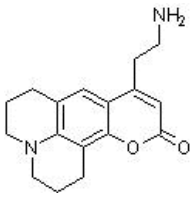
abcam

Product datasheet

FFN511, Fluorescent substrate for VMAT2 ab120331

5 References 1 图像

概述

产品名称	FFN511, Fluorescent底物for VMAT2
描述	First novel fluorescent false neurotransmitter. Enables optical imaging of presynaptic terminal activity.
生物学描述	First novel fluorescent false neurotransmitter. Enables optical imaging of presynaptic terminal activity. Inhibits 5-HT binding to VMAT2 (IC_{50} = 1 µM (comparable to dopamine itself)). Released *via* exocytosis in the striatum in mouse acute slice preparation. Labels dopamine and other presynaptic terminals in the striatum. Compatible with GFP tags and other optical probes. Sufficiently bright, photostable and suitable for two-photon fluorescence microscopy. **View the technique online** For highly selective labelling of dopaminergic presynaptic termainals FFN102 (**ab120866**) is recommended.
CAS编号	1004548-96-2
化学结构	

性能

化学名称	9-(2-Aminoethyl)-2,3,6,7-tetrahydro-1*H*,5*H*,11*H*-[1]benzopyrano[6,7,8-*ij*]quinolizin-11-one
分子量	284.36
分子式	$C_{17}H_{20}N_2O_2$
PubChem识别号	23725121
存放说明	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解度概述	Soluble in DMSO to 100 mM and in ethanol to 100 mM
处理	Wherever possible, you should prepare and use solutions on the same day. However, if you need

to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

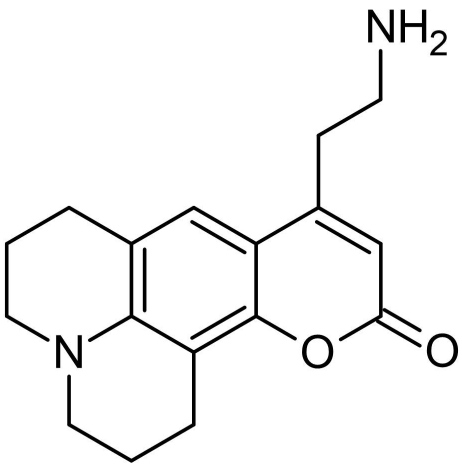
To make a 10 µM solution for slice incubation, 25 µl of a 20 mM FFN511 stock solution in DMSO is added to 50 ml of ACSF. This results in a 10 µM FFN511 solution in ACSF containing 0.05% DMSO.

Need more advice on solubility, usage and handling? Please visit our **frequently asked questions (FAQ) page** for more details.

SMILES NCCC2=CC(=O)Oc1c3CCCN4CCCc(cc12)c34

来源 Synthetic

图片



Chemical Structure - FFN511, Fluorescent substrate for VMAT2 (ab120331)

2D chemical structure image of ab120331, FFN511, Fluorescent substrate for VMAT2

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