

FFN511, Fluorescent substrate for VMAT2 ab120331

5 References 画像数 1

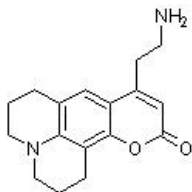
製品の概要

製品名	FFN511, Fluorescent substrate for VMAT2
製品の詳細	First novel fluorescent false neurotransmitter. Enables optical imaging of presynaptic terminal activity.
生理活性の詳細	<p>First novel fluorescent false neurotransmitter. Enables optical imaging of presynaptic terminal activity.</p> <p>Inhibits 5-HT binding to VMAT2 ($IC_{50} = 1 \mu M$ (comparable to dopamine itself)). Released <i>via</i> exocytosis in the striatum in mouse acute slice preparation. Labels dopamine and other presynaptic terminals in the striatum.</p> <p>Compatible with GFP tags and other optical probes. Sufficiently bright, photostable and suitable for two-photon fluorescence microscopy.</p> <p><u>View the technique online</u></p>

For highly selective labelling of dopaminergic presynaptic terminals FFN102 (**[ab120866](#)**) is recommended.

CAS 番号 1004548-96-2

構造式



製品の特性

体系名	9-(2-Aminoethyl)-2,3,6,7-tetrahydro-1H,5H,11H-[1]benzopyrano[6,7,8-j]quinolizin-11-one
分子量	284.36
分子式	$C_{17}H_{20}N_2O_2$
PubChem 登録番号	23725121
保存方法	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解性	Soluble in DMSO to 100 mM and in ethanol to 100 mM
使用に関する注意	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.

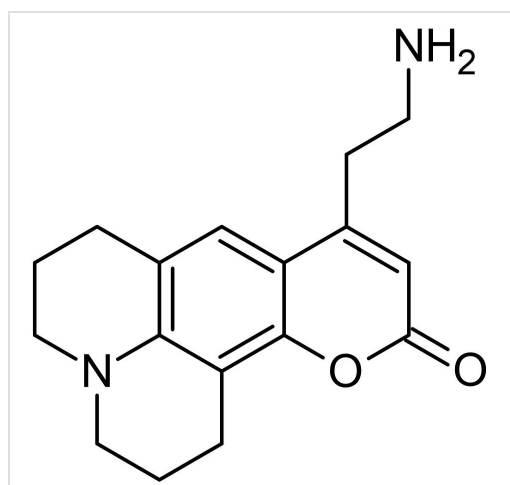
SMILES 線形表記

NCCCC2=CC(=O)Oc3c3CCCN4CCCC(cc12)c34

由来

Synthetic

画像



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

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

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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