

Catalogue Number	Product	Order number / Unit
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3571 FPEB precursor

**Precursor for [¹⁸F]FPEB
(3-[¹⁸F]Fluoro-5-(2-pyridinylethynyl)benzonitrile)**

Molar Mass: 249.22

C₁₄H₇N₃O₂

[1031370-96-3]

Slightly coloured solid packaged in dark glass crimp cap vials.

Purity: ≥ 95 %

Certificates:

CoA; ¹H NMR spectrum

Chemical Name:

CA index name: Benzonitrile, 3-nitro-5-[2-(2-pyridinyl)ethynyl]-

Synonymes:

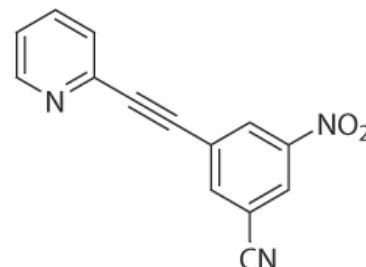
3-[2-(pyridin-2-yl)ethynyl]-5-nitrobenzonitrile; 3-Nitro-5-(pyridinylethynyl) benzonitrile; 3-Nitro-5-pyridin-2-ylethynyl-benzonitrile; Benzonitrile, 3-nitro-5-[2-(pyridinyl)ethynyl]-

Literature:

Wang J.-Q. et al. Synthesis and Preliminary Biological Evaluation of 3-[¹⁸F]Fluoro-5-(2-pyridinylethynyl) benzonitrile as a PET Radiotracer for Imaging Metabotropic Glutamate Receptor Subtype 5. *Synapse* 2007, 61, 951-961.

Alagille D. et al. Potent mGluR5 antagonists: Pyridyl and thiazolyl-ethynyl-3,5-disubstituted-phenyl series. *Bioorg. Med. Chem. Let.* 2011, 21, 3243-3247.

Please inquire for customized filling and bulk quantities.



date of product catalogue issue: 10 May 2017