

Catalogue Number	Product	Order number / Unit
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2970

FHBG

Reference standard for [¹⁸F]FHBG
(9-(4-[¹⁸F]Fluoro-3-[hydroxymethyl]butyl)guanine)

Molar Mass: 255.25

C₁₀H₁₄FN₅O₂

[206067-83-6]

Colourless solid packaged in dark glass screw cap vials.

Purity: > 90 %

Certificates:

CoA; ¹H and ¹⁹F NMR spectra

Chemical Name:

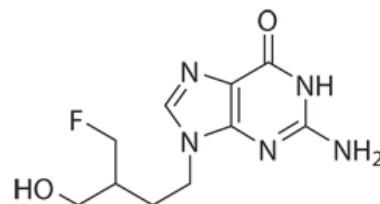
CA index name: 6H-Purin-6-one, 2-amino-9-[4-(fluoro)-3-(hydroxymethyl)butyl]-1,9-dihydro

Synonymes:

9-[(4-Fluoro)-3-hydroxymethylbutyl]guanine; 9-(4-fluoro-3-[hydroxymethyl]butyl)guanine

Literature:

1. Yaghoubi S.S. et al. Direct correlation between positron emission tomographic images of two reporter genes delivered by two distinct adenoviral vectors. *Gene Therapy* 2001, 8, 1072-1080.
2. Alauddin M. et al. Synthesis and preliminary evaluation of 9-(4-[¹⁸F]-fluoro-3-hydroxymethylbutyl)guanine ([¹⁸F]FHBG): a new potential imaging agent for viral infection and gene therapy using PET. *Nucl. Med. Biol.* 1998, 25, 175-180.



2970.0002: 2 mg per vial
2970.0010: 10 mg per vial
Please inquire for customized filling and bulk quantities.