Product Name: (±)-NBI 74330
Catalog No.: 4528
Batch No.: 5

CAS Number: 473722-68-8

IUPAC Name: N-1-[(3-4-(Ethoxyphenyl)-3,4-dihydro-4-oxopyrido[2,3-d]pyrimidin-2-yl)ethyl]-4-fluoro-N-(3-pyridinylmethyl)-3-(trifluoromethyl)benzeneacetamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C_{32}H_{27}F_{4}N_{5}O_{3}\cdot\frac{1}{2}H_{2}O
Batch Molecular Weight: 614.59
Physical Appearance: White solid
Solubility: DMSO to 50 mM
Storage: Store at -20°C

2. ANALYTICAL DATA

HPLC: Shows 99.9% purity

\(^1\)H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

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<th>Element</th>
<th>Theoretical</th>
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</tbody>
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Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
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Catalog No.: 4528
Batch No.: 5

CAS Number: 473722-68-8
IUPAC Name: \(N\)-(3-pyridinylmethyl)-3-(trifluoromethyl)benzeneacetamide

Description:
Potent and selective CXCR3 antagonist; potently inhibits \(^{125}\)I-CXCL10 binding to CXCR3 \((pK_a = 8.13)\). Inhibits calcium mobilization in response to CXCL11 and CXCL10 in RBL cells. Exhibits no significant effect on chemotaxis induced by CXCR4 or CCR7. Displays a five-fold greater affinity for CXCR3 than (±)-AMG 487. This product is racemic.

Physical and Chemical Properties:
Batch Molecular Formula: \(C_{32}H_{27}F_4N_5O_3\cdot\frac{1}{2}H_2O\)
Batch Molecular Weight: 614.59
Physical Appearance: White solid
Minimum Purity: ≥98%

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:
SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.
SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References: