Product Name: SEA 0400
Catalog No.: 6164
Batch No.: 1
CAS Number: 223104-29-8
IUPAC Name: 2-[(4-[2,5-Difluorophenyl)methoxy]phenoxy]-5-ethoxybenzenamine

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C_{21}H_{19}F_{2}NO_{3}
Batch Molecular Weight: 371.38
Physical Appearance: White solid
Solubility: DMSO to 100 mM, ethanol to 100 mM
Storage: Store at -20°C

2. ANALYTICAL DATA

HPLC: Shows 99.3% purity
^1H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
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<tbody>
<tr>
<td>Theoretical</td>
<td>67.92</td>
<td>5.16</td>
<td>3.77</td>
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<tr>
<td>Found</td>
<td>67.56</td>
<td>5.14</td>
<td>3.47</td>
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</tbody>
</table>
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CAS Number: 223104-29-8
IUPAC Name: 2-[(2,5-Difluorophenyl)methoxy]phenoxy]-5-ethoxybenzenamine

Description:
Potent Na+/Ca2+ exchanger (NCX) inhibitor. Inhibits NCX activity in rat astrocytes, microglia and cultured neurons, canine cardiac sarcoplasmic vesicles and rat cardiomyocytes (IC50 values are 5 and 8.3, 33, 90 and 92 nM, respectively). Reduces infarct volumes and exhibits protective effects against myocardial ischemia in rats.

Physical and Chemical Properties:
Batch Molecular Formula: C21H16F2NO3
Batch Molecular Weight: 371.38
Physical Appearance: White solid
Minimum Purity: >98%

Storage: Store at -20°C

Solubility & Usage Info:
DMSO to 100 mM
ethanol to 100 mM

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: