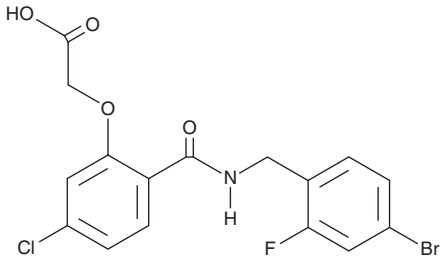
PRODUCT INFORMATION

IDD388

Item No. 46616



CAS Registry No.: 314297-26-2
Formal Name: 2-[2-[[[(4-bromo-2-fluorophenyl)methyl] amino]carbonyl]-5-chlorophenoxy]-acetic acid
MF: $C_{16}H_{12}BrClFNO_4$
FW: 416.6
Purity: ≥98%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

IDD388 is supplied as a solid. A stock solution may be made by dissolving the IDD388 in the solvent of choice, which should be purged with an inert gas. IDD388 is soluble (≥10 mg/ml) in DMSO.

Description

IDD388 is an inhibitor of aldose reductase 2, also known as aldo-keto reductase family 1 member B1 (AKR1B1; IC_{50} = 0.3 µM).[1] It is selective for aldose reductase 2 over AKR1B10 (IC_{50} = 4.4 µM).

Reference

1. Cousido-Siah, A., Ruiz, F.X., Fanfrlík, J., *et al.* IDD388 polyhalogenated derivatives as probes for an improved structure-based selectivity of AKR1B10 inhibitors. *ACS Chem. Biol.* **11(10),** 2693-2705 (2016).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
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