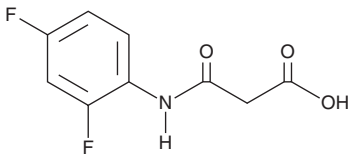
PRODUCT INFORMATION

2-[(2,4-Difluorophenyl)carbamoyl]acetic Acid

Item No. 46320

CAS Registry No.: 154935-07-6
Formal Name: 3-[(2,4-difluorophenyl)amino]-3-oxo-propanoic acid
MF: $C_9H_7F_2NO_3$
FW: 215.2
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

2-[(2,4-Difluorophenyl)carbamoyl]acetic acid is supplied as a solid. A stock solution may be made by dissolving the 2-[(2,4-difluorophenyl)carbamoyl]acetic acid in the solvent of choice, which should be purged with an inert gas. 2-[(2,4-Difluorophenyl)carbamoyl]acetic acid is sparingly soluble (1-10 mg/ml) in ethanol and DMSO.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. Organic solvent-free aqueous solutions of 2-[(2,4-difluorophenyl)carbamoyl]acetic acid can be prepared by directly dissolving the solid in aqueous buffers. 2-[(2,4-Difluorophenyl)carbamoyl]acetic acid is slightly soluble (0.1-1 mg/ml) in PBS (pH 7.2). We do not recommend storing the aqueous solution for more than one day.

Description

2-[(2,4-Difluorophenyl)carbamoyl]acetic acid is a building block that has been used in the synthesis of compounds with anticancer activity.[1]

Reference

1. Reddy, M.V., Akula, B., Jatiani, S., *et al.* Discovery of 2-(1H-indol-5-ylamino)-6-(2,4-difluorophenylsulfonyl)-8-methylpyrido[2,3-d]pyrimidin-7(8H)-one (7ao) as a potent selective inhibitor of Polo like kinase 2 (PLK2). *Bioorg. Med. Chem.* **24(4),** 521-544 (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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