

Product Name: OGT 2115

Catalog No.: 2710

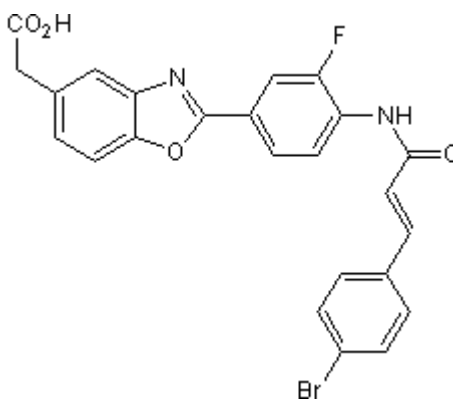
Batch No.: 1

CAS Number: 853929-59-6

IUPAC Name: 2-[4-[[3-(4-Bromophenyl)-1-oxo-2-propenyl]amino]-3-fluorophenyl]-5-benzoxazoleacetic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₄H₁₆BrFN₂O₄
Batch Molecular Weight: 495.3
Physical Appearance: Pale yellow solid
Solubility: DMSO to 10 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.45 (Ethyl acetate)
HPLC: Shows 98% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	58.2	3.26	5.66
Found	57.98	3.16	5.62

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Heparanase inhibitor ($IC_{50} = 0.4 \mu M$) that displays no major inhibition of human cytochrome P450 isoenzymes ($IC_{50} > 30 \mu M$). Exhibits antiangiogenic properties in vitro ($IC_{50} = 1 \mu M$).

Physical and Chemical Properties:

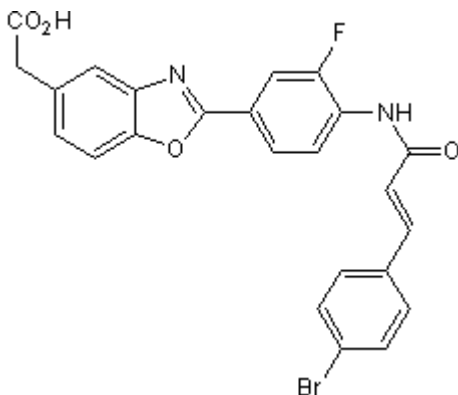
Batch Molecular Formula: $C_{24}H_{16}BrFN_2O_4$

Batch Molecular Weight: 495.3

Physical Appearance: Pale yellow solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

DMSO to 10 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:

Courtney et al (2005) Furanyl-1,3-thiazol-2-yl and benzoxazol-5-yl acetic acid derivatives: novel classes of heparanase inhibitor. *Bioorg.Med.Chem.Letts.* **15** 2295.

McKenzie (2007) Heparanase: a target for drug discovery in cancer and inflammation. *Br.J.Pharmacol.* **151** 1. PMID: 17339837.

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