

Product Name: OGT 2115

Catalog No.: 2710

Batch No.: 3

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

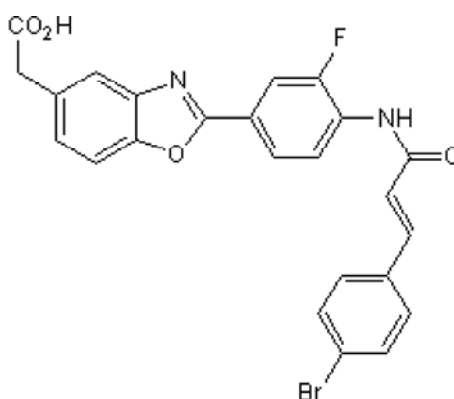
Batch Molecular Weight: 495.3

Physical Appearance: Pale yellow solid

Solubility: DMSO to 10 mM

Storage: Store at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.1% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	58.2	3.26	5.66
Found	57.89	3.31	5.6

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

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Description:

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

Physical and Chemical Properties:

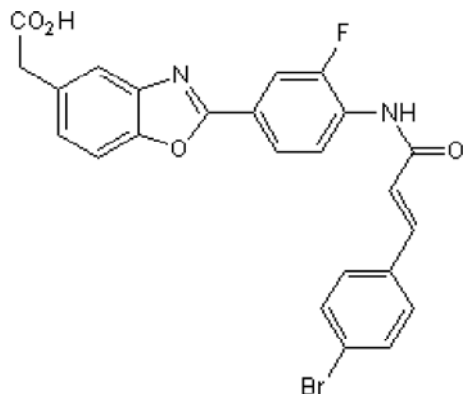
Batch Molecular Formula: $C_{24}H_{16}BrFN_2O_4$

Batch Molecular Weight: 495.3

Physical Appearance: Pale yellow solid

Minimum Purity: $\geq 97\%$

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

DMSO to 10 mM

When purchased as a 1mg unit, this product is supplied as a lyophilized solid and may be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

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:

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

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.

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