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**Product Data Sheet**


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Product Name: BR351 precursor

Cat. No.: GC33365

**Chemical Properties**

Cas. No. 960113-89-7

SMILES CC(C)[C@@H](N(S(=O)(C1=CC=C(OCCOS(=O)(C2=CC=C(C)C=C2)=O)C=C1)=O)CC3=CC=CC=C3)C(NO)=O

Formula	C <sub>27</sub> H <sub>32</sub> N <sub>2</sub> O <sub>8</sub> S <sub>2</sub>	M.Wt	576.68
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Solubility	Soluble in DMSO	Storage	Store at -20°C
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General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

BR351 precursor is a precursor of BR351. BR351 is a brain penetrant MMP inhibitor with IC<sub>50</sub>s of 4, 2, 11, 50 nM for MMP2, MMP8, MMP9 and MMP13, respectively[1]. Potential tools for the molecular imaging of activated MMPs with PET[2].

[1]. Wagner S, et al. Novel fluorinated derivatives of the broad-spectrum MMP inhibitors N-hydroxy-2(R)-[[[4-methoxyphenyl)sulfonyl](benzyl)- and (3-picolyl)-amino]-3-methylbutanamide as potential tools for the molecular imaging of activated MMPs with PET. J Med Chem. 2007 Nov 15;50(23):5752-64. [2]. Vazquez N, et al. Evaluation of [18 F]BR420 and [18 F]BR351 as radiotracers for MMP-9 imaging in colorectal cancer. J Labelled Comp Radiopharm. 2017 Jan;60(1):69-79.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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