

---

**Product Data Sheet**

---

Product Name: BR351  
Cat. No.: GC32442

**Chemical Properties**

Cas. No. 960113-85-3

SMILES CC(C)[C@@H](N(S(=O)(=O)C1=CC=C(OCCF)C=C1)=O)CC2=CC=CC=C2)C(NO)=O

Formula C<sub>20</sub>H<sub>25</sub>FN<sub>2</sub>O<sub>5</sub>S M.Wt 424.49

Solubility Soluble in DMSO Storage Store at -20°C

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 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].

[18F]BR351 is quickly metabolized in plasma with 20.28% ± 5.41% of intact tracer remaining at 15 minutes postinjection[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.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA