

Product Data Sheet

Product Name: UK 356618

Cat. No.: GC38530

Chemical Properties

Cas. No. 230961-08-7

SMILES CC1=C(C2=CC=CC=C2)C=CC(CCC[C@H](CC(NO)=O)C(N[C@@H](C(C)(C)C)C(N[C@@H](C3=CC=CC=C3)C)=O)=O)=C1

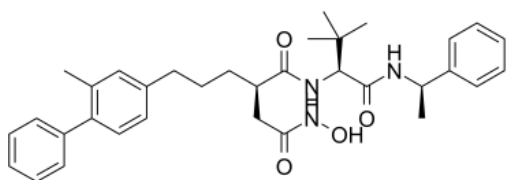
Formula $C_{34}H_{43}N_3O_4$ M.Wt 557.72

Solubility DMSO: 25 mg/mL (44.83 mM and warming)
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

UK 356618 (Compound 4j) is a potent and selective inhibitor of matrix metalloprotease-3 (MMP-3) with an IC₅₀ of 5.9 nM. UK 356618 is >140-fold less potent against MMP-1 (IC₅₀ of 51,000 nM), MMP-2 (IC₅₀ of 1790 nM), MMP-9 (IC₅₀ of 840 nM) and MMP-14 (IC₅₀ of 1900 nM) compared with MMP-3[1].

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

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[1]. Fray MJ, et al. Discovery of potent and selective succinyl hydroxamate inhibitors of matrix metalloprotease-3 (stromelysin-1). Bioorg Med Chem Lett. 2001 Feb 26;11(4):571-4.

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