

Product Data Sheet

Product Name: Regorafénib N-oxyde M2

Cat. No.: GC33333

Chemical Properties

Cas. No. 835621-11-9

SMILES FC1=CC(OC2=CC=[N+](O-)]C(C(NC)=O)=C2)=CC=C1NC(NC3=CC(C(F)(F)F)=C(Cl)C=C3)=O

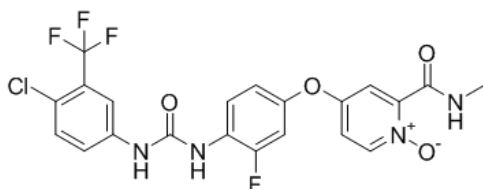
Formula $C_{21}H_{15}ClF_4N_4O_4$ M.Wt 498.81

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

Regorafénib N-oxyde M2 is an active metabolite of Regorafenib^[1-2]. Regorafénib N-oxyde M2 is primarily used for drug metabolism studies, exploration of kinase inhibitor mechanisms, and as a reference standard for analytical testing^[3-4].

References:

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] Kojima A, Sogabe A, Nadai M, et al. Species differences in oxidative metabolism of regorafenib. *Xenobiotica*. 2021 Dec;51(12):1400-1407.
- [2] Zhu J, Zhong L, Song Y, et al. Exploring the effect of Wuzhi capsule on the pharmacokinetics of regorafenib and its main metabolites in rat plasma using liquid chromatography-tandem mass spectrometry. *J Sep Sci*. 2024 Mar;47(5):e2300923.
- [3] Allard M, Khoudour N, Rousseau B, et al. Simultaneous analysis of regorafenib and sorafenib and three of their metabolites in human plasma using LC-MS/MS. *J Pharm Biomed Anal*. 2017 Aug 5;142:42-48.
- [4] Fujita K, Taguchi D, Fukuda K, et al. Association between albumin-bilirubin grade and plasma trough concentrations of regorafenib and its metabolites M-2 and M-5 at steady-state in Japanese patients. *Invest New Drugs*. 2024 Jun;42(3):252-260.

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