

Product Data Sheet

Product Name: NKP-1339

Cat. No.: GC19263

Chemical Properties

Cas. No. 197723-00-5

SMILES [Cl-][Ru+3]([N]1=CC2=CC=CC=C2N1)([Cl-])([Cl-])([N]3=CC4=CC=CC=C4N3)[Cl-].[Na+]

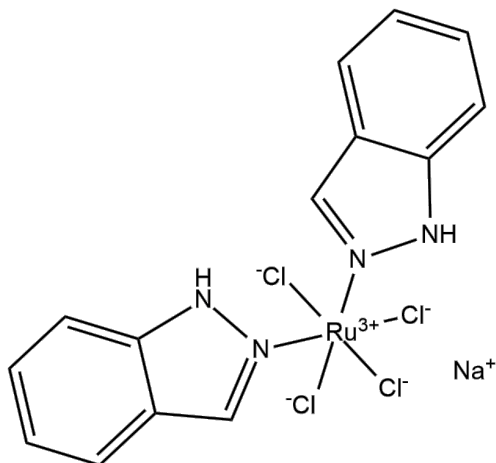
Formula $C_{14}H_{12}Cl_4N_4NaRu$ M.Wt 502.14

Solubility DMSO : ≥ 59 mg/mL (117.50 mM) 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

NKP-1339(IT-139) is a ruthenium(iii) coordination anticancer compound based on target to

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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transferrin.

References:

- [1]. Kuhn PS, et al. Improved reaction conditions for the synthesis of new NKP-1339 derivatives and preliminary investigations on their anticancer potential. Dalton Trans. 2014 Nov 11.
- [2]. Robert Trondl, et al. ChemInform Abstract: NKP-1339, the First Ruthenium-Based Anticancer Drug on the Edge to Clinical Application.

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