

Product Data Sheet

Product Name: CM1
Cat. No.: GB40149

Chemical Properties

Cas. No. 1643659-63-5

Formula $C_{14}H_{22}N_2O_3$ M.Wt 266.34

Solubility Storage

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

Orally active iron chelator with high affinity and selectivity for iron(III) (relative metal complex stability constants of $pFe(III) = 20.3$; $pCu(II) = 9.8$; $pZn(II) = 6.2$) and a suitable partition coefficient to permeate membranes. CM1 is able to penetrate hepatocytes and relatively non toxic. Potential therapeutic for patients suffering from thalassaemia related iron overload Moreover, CM1 shows an inhibitory effect on the growth of Plasmodium falciparum (malaria parasite; IC50 value 35 μM).

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