Product Data Sheet

Product Name: NEO 212 - TMZ-POH
Cat. No.: GB40295

Chemical Properties

Cas. No.	1361198-79-9		
Formula	$C_{17}H_{20}N_6O_4$	M.Wt	372.38
Solubility		Storage	
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ 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

Novel DNA alkylating agent exhibiting superior activity against breast cancer cells in vitro and intracranial triple-negative tumor growth in vivo (IC50 values 5-50 μM for cytotoxicity on glioma cell lines). NEO 212 causes DNA damage and cell death much more efficiently than TMZ, because linkage with POH increased its biological half-life and thus provided greater opportunity for placement of cytotoxic DNA lesions.NEO212 is a conjugate of temozolomide (TMZ) with the natural product perillyl alcohol (POH) and circumvents TMZ-resistance in multiple cancer cell lines and gliomas.

Caution: Product has not been fully validated for medical applications. For research use only.
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