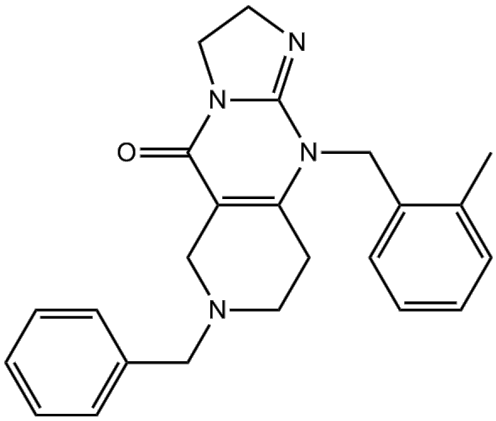
Product Data Sheet

Product Name: TIC10 isomer
Cat. No.: GC10350

Chemical Properties

Cas. No.	41276-02-2		
Chemical Name	7-benzyl-10-(2-methylbenzyl)-2,3,6,7,8,9-hexahydroimidazo[1,2-a]pyrido[4,3-d]pyrimidin-5(10H)-one		
SMILES	O=C1C(CN(CC2=CC=CC=C2)CC3)=C3N(CC4=CC=CC=C4C)C5=NCCN15		
Formula	$C_{24}H_{26}N_4O$	M.Wt	386.49
Solubility	≥ 6.43mg/mL in DMSO with gentle 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

TIC10 isomer is the analogue of TIC10/ONC201 [1]. The TIC10 isomer can be used as a model compound to analyze the active structure and optimize the production route of TIC10[2]. TIC10 isomer can be used as an internal reference to develop new nuclear magnetic resonance (NMR) methods for characterizing related compounds[3].

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

[1] Greer Y E, Lipkowitz S. TIC10/ONC201: a bend in the road to clinical development[J]. Oncoscience, 2015, 2(2): 75.
[2] Jacob N T, Lockner J W, Kravchenko V V, et al. Pharmacophore reassignment for induction of the immunosurveillance cytokine TRAIL[J]. Angewandte Chemie, 2014, 126(26): 6746-6749.
[3] Oguadinma P, Bilodeau F, LaPlante S R. NMR strategies to support medicinal chemistry workflows for primary structure determination[J]. Bioorganic & medicinal chemistry letters, 2017, 27(2): 242-247.

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