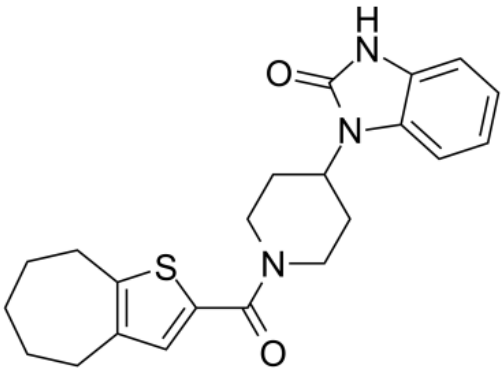
# Product Data Sheet

Product Name: GSK1702934A
Cat. No.: GC39198

## Chemical Properties

| | | | |
|---|---|---|---|
| Cas. No. | 924377-85-5 | | |
| SMILES | O=C1NC2=CC=CC=C2N1C3CCN(C(C4=CC(CCCCC5)=C5S4)=O)CC3 | | |
| Formula | $C_{22}H_{25}N_3O_2S$ | M.Wt | 395.52 |
| Solubility | DMSO : 100 mg/mL (252.83 mM; Need ultrasonic) | 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

GSK1702934A is a selective TRPC3 agonist. GSK1702934A modulates cardiac contractility and f arrhythmogenesis by activation of TRPC3[1][2].

[1]. de la Cruz GG, et al. Intensified Microwave-Assisted N-Acylation Procedure - Synthesis and Activity Evaluation of TRPC3 Channel Agonists with a 1,3-Dihydro-2H-benzo[d]imidazol-2-one Core. Synlett. 2017 Apr;28(6):695-700. [2]. Doleschal B, et al. TRPC3 contributes to regulation of cardiac

contractility and arrhythmogenesis by dynamic interaction with NCX1. Cardiovasc Res. 2015 Apr 1;106(1):163-73.