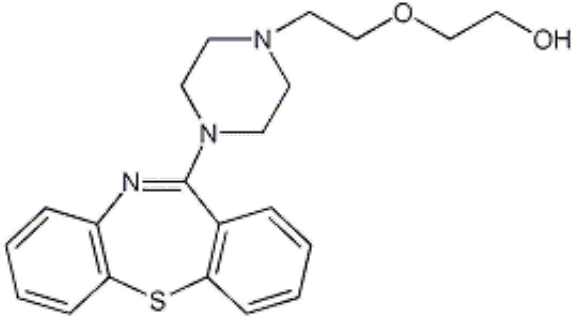


Records found: 1

| Compound: Quetiapine | | | | | | | |
|---|-------------------|---|------------|------------|------------|-------------------|------------------|
|  | | | | | | | |
| CAS: | | 111974-69-7 | | | | | |
| Category: | | Central Nervous System Agents | | | | | |
| Subcategory: | | Antipsychotics | | | | | |
| Formula: | | C21 H25 N3 O2 S | | | | | |
| Molecular Weight: | | 383.52 | | | | | |
| SMILES: | | OCCOCCN1CCN(CC1)C1=NC2=CC=CC=C2SC2=CC=CC=C12> | | | | | |
| pKa: | | 3.64 | | | | | |
| Low est Solubility (mg/ml): | | 1.0 | | | | | |
| Human Permeability (x 10 ⁴ cm/s): | | NA | | | | | |
| cLogP (BioLoom 5.0): | 2.99 | HIGH Permeability | | | | | |
| logP: | 2.8 | HIGH Permeability | | | | | |
| Country List: | Minimum Dose (mg) | Maximum Dose (mg) | Do (min)** | Do (max)** | Solubility | BCS Class (cLogP) | BCS Class (logP) |
| JP | 25.0 | 100.0 | 0.16666667 | 0.66666667 | HIGH | Class I | Class I |
| SP | 25.0 | 300.0 | 0.1 | 1.2 | LOW* | Class II* | Class II* |
| UK | 25.0 | 300.0 | 0.1 | 1.2 | LOW* | Class II* | Class II* |
| US | 25.0 | 300.0 | 0.1 | 1.2 | LOW* | Class II* | Class II* |

* At the lowest dose strength, this is a HIGH solubility compound.

** A volume of 250 mL is used for the drugs on the US, UK, SP, KOR, and WHO lists, and a volume of 150 mL is used for drugs on the JP list.